# विद्यालयी शिक्षकों हेतु राष्ट्रीय आईसीटी पुरस्कार National ICT Award for School Teachers 2013



स्कूल शिक्षा और साक्षरता विभाग मानव संसाधन विकास मंत्रालय भारत सरकार

Department of School Education and Literacy Ministry of Human Resource Development Government of India

# **ICT Curricula at a Glance**

# Strands of the Curricula



### Contents

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|    |       |                                                        | Pages |
|----|-------|--------------------------------------------------------|-------|
| 1. | Nati  | onal ICT Award for School Teachers: Backdrop           | 1-6   |
| 2. | Awa   | ardees of National ICT Award for School Teachers-2013  | 7-10  |
| 3. | State | es/UTs/Organisation wise allocation of National ICT    |       |
|    | Awa   | rd for School Teachers                                 | 11    |
| 4. | Win   | ners of National ICT Award for School Teachers-2013    | 12-13 |
|    | An    | nexures:                                               |       |
|    | I.    | Winners of National ICT Award for School Teachers-2012 | 14-15 |
|    | II.   | Winners of National ICT Award for School Teachers-2011 | 15-16 |
|    | III.  | Winners of National ICT Award for School Teachers-2010 | 17-18 |

## National ICT Award for School Teachers

### **Introduction:**

Realizing the importance of Media and Educational Technology in India, the National Policy on Education in its modified document-1992 (Media and Educational Technology, Para 8.10-11, Page 38) states that, "Modern communication technologies have the potential to bypass several stages and sequences in the process of development encountered in earlier decades. Both the constraints of time and distance at once become manageable. In order to avoid structural dualism, modern educational technology must reach out to the most distant areas and deprived sections of beneficiaries simultaneously with the area of comparative affluence and ready availability". Further it has stated that "Educational Technology will be employed in the spread of useful information, the training and retraining of teachers, to improve quality education, sharpen awareness of art and culture, inculcate abiding values etc., both in the formal and non-formal sectors. Maximum use will be made of the available infrastructure".

The National Curriculum Framework (NCF)-2005 also states "judicious use of technology (Multimedia and ICT) can increase the reach of educational programmes, facilitate management of the system, as well as help address specific learning needs and requirements of young learners, teachers and teacher educators. For instance, mass media can be used to support teacher training, facilitate classroom learning, and be used for advocacy. Possibilities of teaching and learning at varied paces, self-learning, dual modes of study, etc. could all benefit from the use of technology, particularly ICT. The increasing use of the Internet has enabled the sharing of information and provided space for debate and dialogue on diverse issues hitherto unavailable on such a scale. Technological innovations are also necessary for appropriate equipment and aids for meeting the learning requirements of children with special needs. What needs to be underscored is that technology could be integrated with the larger goals and processes of educational programmes rather than viewed in isolation or as an add-on. In this context, technological use that turns teachers and children into mere consumers and technology operators needs to be reviewed and discouraged. Interaction and intimacy are the key to quality education, and this cannot be compromised as a principle in any curricular intervention". In a sense the NCF-2005 emphasises a paradigm shift in respect of the entire process of education. NCF calls for a shift to learner centric ways (primacy of active learner), provide scope for variations in learners needs, multiplicity of learners exposures, and creation of citizens capable of reflective thinking and empowered participation in development.

### MHRD-GOI initiative in Spread of ET and ICTs in Education

India recognized the importance of ICT in education as early as 1984-85 when the Computer Literacy and Studies in Schools (CLASS) project was initially introduced as a pilot with the introduction of BBC micro-computers. A total of 12,000 such computers were received and distributed to secondary and senior secondary schools through State Governments. The project was subsequently adopted as a Centrally Sponsored Scheme during the 8th Plan (1993-98). During the 8th Five Year Plan, the Scheme was widened

to provide financial grants to institutions, which were given BBC Micros, and also covered new Government Aided Secondary and Senior Secondary Schools. Assistance included annual maintenance grant for BBC micros and purchase as well as maintenance of equipment for new Schools.

About 2598 schools having BBC Micros were covered under the CLASS scheme during the 8th Plan for providing Instructors, maintenance of hardware, consumables and text books for students and training of teachers in schools. In addition, 2371 schools were covered with new hardware and services, which included Rs.1.00 lakh for hardware configuration and Rs.1.30 lakhs per annum for recurring costs Rs.0.80 lakh per annum was kept as the recurring costs for schools, which has already been covered under the BBC-Micros scheme.

NIC was identified as the nodal agency for finalising the contract for the supply of hardware. The use and supply of software was limited, coverage was confined to Senior Secondary Schools and the students of class XI & XII had to undergo a Computer Course Module.

National Task Force on Information Technology and Software Development (IT Task Force) – constituted by the Honorable Prime Minister of India – in July, 1998 has made specific recommendations on introduction of I.T. in the education sector including schools. The relevant paragraphs are reproduced below: Vidyarthi Computer Scheme, Shikshak Computer Scheme and School Computer Scheme to enable students, teachers or schools respectively, desirous of buying computers to do so under attractive financial packages. These schemes will be supported by a suite of initiatives such as lowering the cost of PCs, easy installment bank loans, computer donations by IT companies and other business houses, bulk donations of computers by NRI organizations, large-volume bargain price imports, multi-lateral funding, etc. Computers and Internet shall be made accessible to schools, polytechnics, colleges, and public hospitals in the country by the year 2003. The concept of SMART Schools where the emphasis is not only on Information Technology in Schools, but also on the use of skills and values that will be important in the next millennium, shall be started on a pilot demonstrative basis in each State. The Report recommended provision of computer systems to all educational Institutions upto Secondary/ Higher Secondary Schools by suitable investments (about 1-3%) of the total budget during the next five years. The recommendations of the Task Force have been approved by the Council of Ministers.

The 'ICT @Schools' scheme is a window of opportunity to the learners in the schools of India to bridge this digital divide. The scheme is not a simple merger of the earlier CLASS (1984-85) and ET Schemes (1972: under which Radio-cum-cassette players (RCCPs) and Colour Television sets (CTVs) were supplied in schools) but is a comprehensive and well thought-out initiative to open new vistas of learning and to provide a level playing field to school students, whether in rural areas or in the metropolitan cities. The 'ICT @Schools' Scheme is not a stand-alone scheme but actively solicits the partnership of States, Union Territories & other organizations in a mutual endeavour to bridge the heterogeneous proliferation of ICT across different socioeconomic and geographic segments in the country. This partnership is manifest in the structure of financing the initiative, in encouraging the development of long-term Computer Education Plans, the setting-up of Smart Schools in KVS/NVS and in States as technology demonstrators and in providing for supplementing the States efforts in these areas with no attempt being made to supplant the State Schemes.

A part from the smart schools concept in Kendriya Vidyalayas (KVs) and Jawahar Navodaya Vidyalayas (JNVs), about 150 more such schools will be established in the states /UT by conversion of one of the existing State Government schools, to serve as role model and to share the infrastructure and resources with the neighborhood schools also.

In smart schools, the emphasis would not only be on the use of information Technology but also on the use of skills and values that will be important in the next millennium. It is hoped that at least one section (of 40 students) in each of the classes IX - XII will be fully computerized. Thus a school having 160 computers @ 40 computer for each IX to XII classes may be called a smart school under the scheme. However, keeping in view the fact that this target cannot be achieved in one go, it is proposed to provide 40 computers to such identified schools.

Each State Government/Union Territory would convert one school per district into a smart school subject to availability of funds. A grant of not more than Rs.25 lakhs would be given per smart school. This limit may be reviewed in the future, if needed. A sum of Rs.2.5 lakhs shall be provided as recurring costs which includes maintenance, consumable, internet usage and monitoring costs.

The centrally sponsored scheme of 'Educational Technology' (1972) and 'Computer Literacy and Studies in Schools' (1984-85) have been suitably modified keeping in view the past experience, the feedback which has been received and changing needs to form the new scheme of 'Information and Communication Technology in Schools'. The component regarding financial assistance to States/UT's for purchase of Radio-cum-cassette players (RCCPs) and Colour Television sets (CTVs) under the erstwhile Educational Technology Scheme has been weeded out.

### ICT@Schools Scheme Launched by Govt. of India

The Centrally Sponsored Scheme "Information and Communication Technology [ICT] in Schools" was launched in December 2004, to provide opportunities to secondary stage students to develop ICT skills and also for ICT aided learning process. The Scheme is a major catalyst to bridge the digital divide amongst students of various socio-economic and other geographical barriers. The Scheme provides support to States/UTs to establish computer labs on a sustainable basis. It also aims to set up SMART schools in Kendriya Vidyalayas, Navodaya Vidyalayas and schools run by states/UTs to act as "Technology Demonstrators" and to lead in propagating ICT skills among students of neighborhood schools.

### 1.2.2 Objectives of <u>ICT@Schools</u> scheme are:

- 1. To establish an enabling environment to promote the usage of ICT especially in Secondary and Higher Secondary Government and Govt. Aided Schools in rural areas. Critical factors of such an enabling environment include widespread availability of access devices, connectivity to the Internet and promotion of ICT literacy.
- 2. To ensure the availability of quality content on-line and through access devices both in the private sector and by SIETs.
- 3. Enrichment of existing curriculum and pedagogy by employing ICT tools for teaching and learning.
- 4. To enable students to acquire skills needed for the digital world for higher studies and gainful employment.
- 5. To provide an effective learning environment for children with special needs through ICT tools.
- 6. Promote critical thinking and analytical skills by developing self-learning. This shall transform the classroom environment from teacher-centric to student-centric learning.
- 7. To promote the use of ICT tools in distance education including the employment of audio-visual medium and satellite-based devices.

#### **Components of the Scheme**

The scheme has essentially four components.

The first one is the partnership with State Governments and Union Territories Administrations for providing computer aided education to Secondary and Higher Secondary Government and Government aided schools.

The second is the establishment of smart schools, which shall be technology demonstrators.

The third component is teacher related interventions, such as provision for engagement of an exclusive teacher, capacity enhancement of all teachers in ICT and a scheme for national ICT award as a means of motivation. Fourth one relates to the development of e content, mainly through Central Institute of Educational Technology (CIET), five State Institutes of Education Technologies (SIETs) and 5 Regional Institutes of Education (RIEs), as also through outsourcing.

With revision of the scheme in the year 2010-11 new component on National Award for Teachers for use of ICT in education has been introduced.

In all 87 ICT awards are instituted by Govt. of India for different states/UTs and seven autonomous bodies/organizations under MHRD. A break-up of state-wise allocation of awards is given on page 11. The award proposes to felicitate those teachers who have enhanced student learning by effectively and innovatively integrating technology supported learning into the school curriculum and subject teaching, and thereby promoted enquiry-based cooperative-collaborative learning using ICT amongst students. Teachers of primary, upper primary, secondary, higher secondary schools from the following organizations are eligible to be nominated under the scheme:

i. State Government schools / schools run by local bodies and government aided Schools (including the schools affiliated to State Boards of School Education)

ii. Central Government schools i.e. Kendriya Vidyalayas (KVs), Jawahar Navodaya Vidyalayas (JNVs), Central Tibetan Schools (under CTSA), Schools run by Ministry of Defence (MOD) i.e. Sainik Schools etc. and schools run by Atomic Energy Education Society (AEES)

iii. Schools affiliated to Central Board of Secondary Education (CBSE) other than those at (i) and (ii) above.

iv. Schools affiliated to Council for Indian Schools Certificate Examinations (CISCE)

# As per the guidelines of the Scheme, the selection process for identifying the awardee teachers involves the following:

- 1. Schools need to send detailed entries in the prescribed format along with supporting documents to the Directorate of Education of their States/UTs/Autonomous Organisations through proper channel (Principal/DEO/Regional Offices etc.).
- 2. A Committee under the chairpersonship of Secretary/Commissioner (Education) / Chairman of the concerned State/UT/Autonomous Organizations (KVS, NVS, CBSE, CISCE, CTSA, AEES, MOD etc.) will scrutinize all the entries and shortlist the candidates and forward the same to the chairperson of the awards committee along with minutes of the meeting. The State/UT/Autonomous Organization under MHRD is to recommend only twice the number of teachers as their awards quota, in order of merit.

3. Short listed candidates are required to make presentations before the Awards Committee/Jury. Invitation in this regard is sent to teachers directly by CIET-NCERT with intimation to their directorate/organisations. The composition of the Committee is as follows:

| i.   | Director, NCERT, New Delhi                  | Chair Person     |
|------|---------------------------------------------|------------------|
| ii.  | DDG, NIC, New Delhi                         | Member           |
| iii. | Representative from Secondary Education     |                  |
|      | Bureau, Dept. of SE&L, Ministry of HRD, GOI | Member           |
| iv.  | Representative from Dept of IT, New Delhi   | Member           |
| v.   | Joint Director, CIET, New Delhi             | Member Secretary |
|      |                                             |                  |

The awards committee recommends the requisite number of awardees to the ministry with justification. The ministry further processes the recommendation for the awards. Each awardee teacher is awarded with a laptop and a commendation certificate. All winners form a community of resource persons through networking.

By now activities were undertaken for the year 2010, 2011 and 2012 and in all 29 teachers (13 in the year 2010, 7 in the year 2011, and 9 in the year 2012) have been awarded with the 'National ICT Award for School Teachers.

For the year 2013, twelve teachers have been selected for giving the National ICT Award for school teachers. A list of awardees, along with their contribution is provided in the following pages.

| Av | Awardees of National ICT Award for School Teachers 2013                                                                                                                                                                                                                                                                                                |  |  |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 1. | Mr. Hareshkumar Vajesangbhai Makwana                                                                                                                                                                                                                                                                                                                   |  |  |  |
|    | The teacher has demonstrated a keen interest and initiative<br>in adopting technology for a variety of purposes,<br>motivating his students to apply ICT judiciously and<br>particularly for solving social problems like health and<br>garbage disposal. He also shared his learning with fellow<br>teachers as a resource person at the state level. |  |  |  |
| 2. | Mr. Rajashekhar S. Patil                                                                                                                                                                                                                                                                                                                               |  |  |  |
|    | Using a variety of ICT tools and web resources, the teacher has helped students to develop a health campaign to educate the neighbourhood of illnesses, sanitation and health care. The teacher has demonstrated an advanced awareness of the potential of ICT and applied it to students learning through an active social interface.                 |  |  |  |
| 3. | Mr. Sanjeev Kumar Taneja                                                                                                                                                                                                                                                                                                                               |  |  |  |
|    | As a master trainer, he has developed a network of<br>Mathematics teachers, sharing with them his<br>understanding of technology while leveraging ICT to reach<br>out to students across digitally challenged environments.<br>Many teachers and students have begun to actively<br>participate in his network, learning ICT along the way.            |  |  |  |

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| 4. | Mr. Pradeep Negi                                                                                                                                                                                                                                                                                                                  |  |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    | The teacher has used ICT extensively using a variety of tools to enable children to access information, organise and document their project activities. He has also helped the e–governance initiative by developing software tools, training programmes and data analysis.                                                       |  |
| 5. | Mr.Suryaveer Singh                                                                                                                                                                                                                                                                                                                |  |
|    | The teacher has demonstrated an advanced awareness of a<br>variety of applications of ICT, particularly its use in<br>teaching-learning. The teacher has also demonstrated an<br>understanding of the need to promote students'<br>participation in learning through hands-on activities,<br>projects and use of ICT by students. |  |
| 6. | Mrs. Neeraj Punia                                                                                                                                                                                                                                                                                                                 |  |
|    | The teacher uses technology actively in teaching of<br>Science. Beginning with projects on ThinkQuest, the<br>teacher has leveraged a variety of ICT applications to<br>enhance students' participation and learning. She also<br>focussed on developing research and documentation skills<br>in young children.                  |  |

| 7. | Ms. Sarita Tejwani                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    | The teacher has demonstrated a keen awareness of the educational potential of ICT in teaching of Science using multimedia presentations, videos, movie, video conferencing etc. for students' learning. She regularly uses portfolios, interviews, quizzes and puzzles for evaluation of students' learning process. She is an active contributor to NROER too.                                                              |  |
| 8. | Ms. Pratima Nayak                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|    | The teacher teaches Science and Mathematics using<br>GeoGebra, Wikispace and a variety of ICT tools. She has<br>also demonstrated an understanding of the practical<br>application of ICTs by getting her students to gather,<br>analyse and interpret data.                                                                                                                                                                 |  |
| 9. | Mr. Mriginder Singh                                                                                                                                                                                                                                                                                                                                                                                                          |  |
|    | The teacher has used e-contents, e-books, presentations,<br>standalone EXEs for teaching of subjects. Taking an<br>active interest in establishing ICT infrastructure, he has<br>trained his students to manage the lab, undertaking<br>repairs, creating content and learning to go beyond the<br>curriculum. Using ICT for music, sports etc. he has<br>shown an advanced understanding of the potential of<br>the medium. |  |

| 10. | Mr. Balasaheb Murlidhar Chaudhari                                                                                                                                                                                                                                                                                                                                                           |  |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|     | Helping students to develop digital stories, mind maps,<br>blogs and podcasts, the teacher has used a variety of<br>web-resources for teaching of English language, literature<br>and Social Sciences to his students developing their skills<br>and awareness of technological tools.                                                                                                      |  |
| 11. | Mrs. Kabita Kar                                                                                                                                                                                                                                                                                                                                                                             |  |
|     | Using an investigation of bio-fuels as an alternative<br>source of energy, the teacher has encouraged her students to<br>explore various ICT resources and learn from them. The<br>reporting through a systematic documentation of the project<br>in the form of a well organised website showcases the<br>teacher's awareness of ICT and interest in developing<br>students' capabilities. |  |
| 12. | Mrs. Swarnali Chattopadhya                                                                                                                                                                                                                                                                                                                                                                  |  |
|     | Demonstrating a keen understanding of ICT, the teacher has<br>used GIS, mapping and variety of advanced techniques for<br>teaching of Social Sciences at Secondary and Senior<br>Secondary level. Her students have undertaken actual field<br>work applying ICT to understand the geography of a land<br>form.                                                                             |  |

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| •              | Agencies                          | No. of Awards | No.  | of Awa | ards w | on   |
|----------------|-----------------------------------|---------------|------|--------|--------|------|
| 0              | STATE                             | Allocated     | 2013 | 2012   | 2011   | 2010 |
|                | Andhra Pradesh                    |               |      |        |        |      |
|                | (Seemandhrat+Telengana)           | 3             | -    | -      | 1      | -    |
|                | Arunachal Pradesh                 | 2             | -    | -      | -      | -    |
|                | Assam                             | 2             | -    | -      | -      | -    |
|                | Bihar                             | 3             | -    | -      | -      | -    |
|                | Chhattisgarh                      | 2             | -    | -      | -      | -    |
| j.             | Goa                               | 2             | -    | -      | -      | -    |
| ΄.             | Gujarat                           | 3             | 1    | 1      | -      | -    |
|                | Haryana                           | 2             | -    | -      | -      | -    |
| ۱.             | Himachal Pradesh                  | 2             | -    | -      | -      | -    |
| ).             | Jammu & Kashmir                   | 2             | -    | -      | -      | -    |
|                | Jharkhand                         | 2             | -    | -      | -      | -    |
|                | Karnataka                         | 3             | 1    | 2      | -      | -    |
| 3.             | Kerala                            | 3             | _    | -      | -      | 2    |
| 4.             | Madhya Pradesh                    | 3             | -    | -      | -      | -    |
| 5.             | Maharashtra                       | 3             | -    | -      | -      | -    |
| 5.             | Manipur                           | 2             | -    | -      | -      | -    |
| 7.             | Meghalaya                         | 2             | -    | -      | -      | - 1  |
|                | Mizoram                           | 2             | -    | -      | -      | -    |
| ).             | Nagaland                          | 2             | -    | -      | -      | -    |
| ).             | Orissa                            | 3             | -    | -      | -      | -    |
|                | Punjab                            | 3             | 1    | -      | -      | -    |
|                | Rajasthan                         | 3             | -    | -      | 1      | 1    |
|                | Sikkim                            | 2             | -    | -      | -      | 1    |
| <u>.</u>       | Tamil Nadu                        | 3             | -    | 2      | 3      | -    |
|                | Tripura                           | 2             | _    | -      | -      | _    |
|                | Uttar Pradesh                     | 3             | _    | -      | _      | _    |
|                | Uttarakhand                       | 2             | 1    | 2      | _      | 2    |
|                | West Bengal                       | 3             | 1    | -      | _      | -    |
|                | UNION TERRITORY                   | 5             | -    | -      | -      | -    |
|                |                                   |               | -    |        |        |      |
| ).             | Andaman & Nicobar Islands         | 1             | -    | -      | -      |      |
|                | Chandigarh                        | 1             | -    | -      | -      | -    |
|                | Dadra & Nagar Haveli              | 1             | -    | -      | -      | -    |
|                | Daman & Diu                       | 1             | -    | -      | -      | -    |
|                | Delhi                             | 1             | -    | -      | -      | -    |
|                | Lakshadweep                       | 1             | -    | -      | -      | -    |
|                | Pondicherry                       |               | -    | -      | -      | -    |
|                | ORGANISATION                      |               |      |        | •      | •    |
| 5.             | Atomic Energy Education Society   |               |      |        |        |      |
| •              | (AEES)                            | 1             | -    | -      | -      | -    |
|                | CISCE                             | 1             | 1    | 1      |        | 1    |
| <u>.</u><br>3. | CBSE                              | 3             | 2    | 1      | -      | 3    |
| ).<br>).       | CTSA                              | 1             |      | -      | -      | -    |
| ).             | KVS                               | 2             | 2    |        | 1      | 2    |
| ).<br> .       | NVS                               | 2             | 2    | -      | 1      | 2    |
| 2.             | Schools under Ministry of Defence |               |      |        | -      |      |
| •              |                                   |               | 1    | -      | -      | -    |
|                | TOTAL                             | 87            | 12   | 9      | 7      | 13   |
| _              |                                   |               |      |        |        |      |

Allocation of National ICT Award for School Teachers and numbers of Awards won

## Winners of National ICT Award for School Teachers - 2013

| S.<br>No. | Name and Address of the Awardees                                                                                                                                                                                      | Residential address                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 1.        | Mr. Hareshkumar Vajesangbhai Makwana<br>Assistant Teacher (Mathematics)<br>Shree M.U. Sheth Girls' High School<br>Lakhupol, Wadhvancity<br>Surendranagar – 363030, Gujarat<br>Email: haresh.makawana@gmail.com        | 1, Shraddha Society<br>Avadh Park-A, 80 Feet<br>Road<br>Wadhvan city,<br>Surendranagar-363035<br>Gujarat                |
| 2.        | Mr. Rajashekhara S. Patil<br>Assistant Teacher (Science)<br>Govt. Higher Primary School<br>Kamsagara, Kabballu, Sathanuru Hobli,<br>Kanakapura, Ramanagara – 562117,<br>Karnataka<br>Email: rajusa08@gmail.com        | # 179, C/o S. Manunath<br>Church Road, Near<br>Corporation Bank,<br>Kanakapura Town - 562117<br>Ramanagara<br>Karnataka |
| 3.        | Mr. Sanjeev Kumar Taneja<br>Mathematics Teacher<br>Govt. Model Senior Secondary School<br>Punjab Agriculture University (PAU)<br>Ludhiana – 141001, Punjab<br>Email: sanjeev0708@gmail.com<br>sanjeev1966@hotmail.com | 21-D Raj Guru Nagar<br>Ludhiana-141012<br>Punjab                                                                        |
| 4.        | Mr. Pradeep Negi<br>Lecturer<br>Govt. Inter College, BHEL, Ranipur<br>Sector-1, Hardwar – 249403, Uttarakhand<br>Email: pradeepnegi70@rediffmail.com                                                                  | H. No 3/C Ashok Nagar<br>P.O Milap Nagar<br>Roorkee , Hardwar - 247667<br>Uttrakhand                                    |
| 5.        | Mr. Suryaveer Singh<br>PGT (Geography)<br>S.D. Public School<br>BU -Block, Pitampura -110088, New Delhi<br>Email: svschauhan@gmail.com                                                                                | 14-B, Dhaka Chowk<br>Kingsway Camp, Opp. MCD<br>courts<br>Delhi-110009                                                  |
| 6.        | Mrs. Neeraj Punia<br>TGT (Chemistry)<br>D.A.V Public School<br>Sector-14, Gurgaon - 122 00, Haryana<br>Email: neerajpunia1974@gmail.com                                                                               | H. No. 954, Sec-21,<br>Gurgaon-122016<br>Haryana                                                                        |

| S.<br>No. | Name and Address of the Awardees                                                                                                                                                         | Residential address                                                                                    |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 7.        | Ms. Sarita Tejwani<br>TGT (Science)<br>Kendriya Vidyalaya<br>Engineering College Road<br>Nagziri, Ujjain – 456010, Madhya Pradesh<br>Email: tejwani.sarita@gmail.com                     | 23, State Bank Colony,<br>Dewas Road Ujjain<br>Madhya Pradesh-456010                                   |
| 8.        | Mrs. Pratima Nayak<br>PGT (Mathematics)<br>Kendriya Vidyalaya, Fort William<br>Kolkata – 70002, West Bengal<br>Email: pnpratima@gmail.com                                                | 27, Joy Krishna Pal Road<br>Khidderpore Kolkata-700023<br>West Bengal                                  |
| 9.        | Mr. Mriginder Singh<br>Assistant Master (English)<br>Sainik School<br>The Mall, Kapurthala – 144601, Punjab<br>Email: mgs388@gmail.com,<br>immortalmirza@gmail.com                       | C-1, Sainik School<br>Kapurthala<br>The Mall, Kapurthala-<br>144601                                    |
| 10.       | Mr. Balasaheb Murlidhar Chaudhari<br>TGT (English)<br>Jawahar Navodaya Vidyalaya<br>Pimple Jagtap, Karandi<br>Shirur, Pune – 412208, Maharashtra<br>Email: chaudharibm@gmail.com         | Jawahar Navodaya Vidyalaya<br>Pimple Jagtap Post-Karandi,<br>Shirur, Dist: Pune-412208,<br>Maharashtra |
| 11.       | Mrs. Kabita Kar<br>PGT (Physics)<br>Jawahar Navodaya Vidyalaya<br>Gurujang, Khordha – 752055, Odisha<br>Email: karkabita8@gmail.com<br>karkabita@yahoomail.com                           | C-7, Jawahar Navodaya<br>Vidyalaya<br>Gurujang, Khordha - 752055                                       |
| 12.       | Mrs. Swarnali Chattopadhya<br>PGT (Geography)<br>Delhi Public School<br>Block - DG/3, Action Area -1<br>New Town, Rajarhat, Kolkata - 700156<br>West Bengal<br>Email: swrnli.6@gmail.com | H. No. 954, Sec-21,<br>Gurgaon-122016<br>Haryana                                                       |

### Annexure - I

## Winners of National ICT Award for School Teachers 2012

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| S.<br>No. | Name and Address of the Awardees                                                                                                                                                                           | Residential address                                                                                                                 |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 1.        | Ms. BIJAL DAMANI<br>P.G.T. (Commerce)<br>S.N. Kansagra School<br>University Road, Rajkot-360005, Gujarat<br>Email: <u>bijal.damani@tges.org</u><br>bijal.damani@gmail.com                                  | A-36 Kiran Society<br>Behind Galaxy Cinema<br>Rajkot-360001, Gujarat                                                                |
| 2.        | Mr. DHILIP S.<br>Graduate Teacher (English)<br>Govt. Higher Secondary School<br>Sathiyamangalam Gingee Taluk,<br>Villupuram - 604153,Tamil Nadu<br>Email: dhiliprajus@gmail.com<br>dhilip_s_2000@Yahoo.com | 2/87, Raja Street,<br>Sathiyamangalam (Post),<br>Gingee TK,<br>Villupuram -604153,<br>Tamil Nadu                                    |
| 3.        | Mrs. HIMANI ASIJA<br>Principal (Officiating)<br>Delhi Public School, Karnal, Near Karna Lake,<br>NH-1, Karnal-132001, Haryana<br>Email: himaniasija@gmail.com,<br>himani_asija@yahoo.com                   | 1-P, Sector 8-II<br>Karnal-132001, Haryana                                                                                          |
| 4.        | Mrs. I. GLORY ROSALINE<br>B.T. Assistant<br>Concordia Higher Secondary School<br>Barugur, Krishnagiri -635104, Tamil Nadu<br>Email: iglo_sath@yahoo.co.in                                                  | No.2, III Cross,<br>Karmel Cottage,<br>R.S. Lakshmipuram,<br>Krishnagire-635001,<br>Tamil Nadu                                      |
| 5.        | Mr. JAGDAMBA PRASAD DOBHAL<br>Assistant Teacher (Mathematics)<br>Govt. Inter College, Dudhali<br>Dehradun-248001, Uttarakhand<br>Email: aajkal1dobhal@gmail.com                                            | House No. 45<br>Type III phase-II<br>Secretariat Colony,<br>Kedarpuram,<br>Near Doon University,<br>Dehradun-248001,<br>Uttarakhand |
| 6.        | Mr. LAKSHMAN BHAI CHAUDHARI<br>Principal<br>Adarsh Vidyalaya<br>Rajmahel Road<br>Near Modi Hospital Patan-384265, Gujarat<br>Email: <u>principaladashpatan@gmail.com</u>                                   | 6, Harkornagar Society<br>Near Adarsh Vidhalaya<br>Patan-384265,Gujarat                                                             |

| S.<br>No. | Name and Address of the Awardees                                                                                                                                                                                           | Residential address                                                                                                 |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 7.        | Mrs. RADHA N.A.<br>Assistant Teacher<br>Govt High School<br>Begur, South Block-3, Bangalore-560068<br>Karnataka<br>Email: radhanarve@gmail.com                                                                             | No. 33, 4 <sup>th</sup> Cross "REVATH",<br>Shynubogh Nagappa Layout,<br>Bilekahalli,<br>Bangalore-560076, Karnataka |
| 8.        | Mr. RAJESHA Y.N<br>Assistant Teacher<br>Govt. High School<br>Mallupura, Nanjangud Mysore -571119,<br>Karnataka<br>Email: rajesh.yn@gmail.com                                                                               | 232/2 B F 5/2 I Cross<br>Uttaradi Mutt Road, Fort<br>Mohalla Mysore-570004,<br>Karnataka                            |
| 9.        | Mr. RAMESH PRASAD BADONI<br>T.G.T. (Mathematics)<br>Govt. Higher Secondary School<br>Dubra (Saklana), Jaunpur<br>Dist-Tehri Garhwal-249145, Uttarakhand<br>Email: anamaramesh2012@gmail.com<br>rameshbadoni@rediffmail.com | Ajabpurkalan,<br>Dehradun-248001,<br>Uttarakhand                                                                    |

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### Annexure - II Winners of National ICT Award for School Teachers 2011

| S.<br>No. | Name and Address of the Awardees                                                                                                                                                                       | Residential address                                                                     |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1.        | Mr. Bergin G<br>Block Research Teacher Educator<br>Sarva Shikshya Abhiyan<br>C/o Office of Chief Educational Officer<br>Nagercoil, Kanyakumari<br>Tamil Nadu – 629001<br>Email: bergin76@gmail.com     | Pandaravillaiveedu,<br>Kadayal, Kaliyal post<br>Kanyakumari<br>Tamil Nadu- 629101       |
| 2.        | Bergin76@yahoo.com<br>Dr. Hari Krishna Arya<br>Principal<br>Govt. Senior Secondary School<br>Silwala Khurd, Hanumangarh Town<br>Distt. Hanumangarh<br>Rajasthan - 335526<br>Email: arya_hk@yahoo.co.in | 78, Guru Nanak Nagar<br>Street No. 13, Nai Aabadi<br>Hanumangarh,<br>Rajasthan - 335513 |

| S.<br>No. | Name and Address of the Awardees                                                                                                                                                                        | Residential address                                                                                  |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 3.        | Mrs. Latha Ramahandran<br>Primary Teacher<br>Kendriya Vidyalaya, IIT Campus<br>Chennai-600036, Tamil Nadu<br>Email: lathaprt@yahoo.com<br>lathaprtiit@gmail.com                                         | 11 A, Ground Floor,<br>CGE Housing Colony<br>Kuppam Beach Road<br>Thiruvanmiyur,<br>Chennai - 600041 |
| 4.        | Ms. M.Khohila<br>B.T. Assistant (English)<br>Sree Moolam Rama Varma Higher Secondary<br>School, Asambu Road, Nagercoil<br>Kanyakumari, Tamil Nadu - 629001<br>Email: kohila75@gmail.com                 | 4, Kanagamoolam New<br>Street, Vadasery Nagercoil<br>Kanyakumari District<br>Tamil Nadu-629001       |
| 5.        | Mr. Pokuri Srinivasa Rao<br>School Assistant (Physical Science)<br>ZPHS Adivivaram Chinagandili Mandal<br>Vishakapatnam, Andhra Pradesh – 531173<br>Email: sriflute@gmail.com                           | H.No. 18-128/2,<br>Velamapet<br>Pendurthi<br>Visakhapatnam,<br>Andhra Pradesh-531173                 |
| 6.        | Ms. S. Chitra<br>B.T. Assistant (English)<br>Government High School<br>17, Asthinapuram<br>Kancheepuram, Tamil Nadu - 603202<br>Email: chitra71pums@rediffmail.com                                      | 66/67, Gajapathy Street<br>Gajalakshmi Nagar<br>Chromepet, Chennai – 44<br>Tamil Nadu                |
| 7.        | Mr. V.S. Sajikumar<br>Art Teacher<br>Jawahar Navodaya Vidyalaya<br>Chettachal (P.O) Vithura<br>Thiruvananthapuram<br>Kerala – 695551<br>Email: jnvtrivandrum@yahoo.co.in<br>sajijnvtrivandrum@gmail.com | Leenanivas<br>Vettikkavala P.O<br>Kottarakkara<br>Kollam<br>Kerala                                   |

### Annexure - III

# Winners of National ICT Award for School Teachers 2010

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| S.<br>No. | Name and Address of the Awardees                                                                                                                                                                    | Residential address                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| 1.        | Mrs. D.Kavita<br>Lectrurer in English<br>Govt. Girls' Higher Secondary School<br>Nimbahera, Distt. Chittaurgarh<br>Udaipur Region, Rajasthan – 312601<br>Email: kavita.fadnavis@gmail.com           | 180, R.K. Colony<br>Nimbahera<br>Distt. Chittaurgarh<br>Rajasthan- 312601       |
| 2.        | Ms. Harminder Kaur Suri<br>Head Mistress<br>Kendriya Vidyalaya No.4, Near BSNL<br>Telephone Exchange<br>Ambala Cantt, Haryana – 133001<br>Email: suri.harminder@gmail.com                           | 59 A, Block-A<br>Inderpuri, Ambala Cantt<br>Haryana - 133001                    |
| 3.        | Mrs. Jainus Jacob<br>Primary Teacher<br>Kendriya Vidyalaya, Purnattukara<br>Thrisur, Kerala<br>Email: jjainus123@gmail.com                                                                          | XI/439, Chazhoor House<br>P.O. Pullazhi, Olarikkara<br>Thrissur, Kerala- 680012 |
| 4.        | Mr.Kunhammad, K.T.<br>High School Assistant<br>K.P.E.S. High School<br>Kayakkadi, Vatakara, Kozhikode (Dt.)<br>Kerala – 673508<br>Email: ktkunhammad@gmail.com                                      | Kannankai House<br>Kayakkody P.O<br>Kozhikode (DT)<br>Kerala- 673508            |
| 5.        | Ms. Preeti Sharma<br>HOD, Computer Science<br>Vivek High School,<br>Sector-38-B, Chandigarh – 160036<br>Website: vivekhighscool.com<br>Email: preetisharmasag@yahoo.com<br>vivek@vevekhighschool.in | House No – 1601<br>Sector 34-D<br>Chandigarh – 160021                           |
| 6.        | Mr. Puran Singh<br>Lecturer in English, Govt. Senior Secondary<br>School, Shekhupur, Sangrur Road<br>Patiala, Punjab – 147001<br>Email: puranbindra12@yahoo.in                                      | 283-A, Ajit Nagar<br>Near Leela Bhawan<br>Patiala<br>Punjab - 147001            |

| S.<br>No. | Name and Address of the Awardees                                                                                                                                                                                                 | Residential address                                                                                                               |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 7.        | Mr. R.V. Raghavenddra Rao<br>PGT (Biology)<br>Jawahar Navodaya Vidyalaya<br>Kiltampalem, Bowdara (Post)<br>S. Kota Manda, Vizianagarm (Distt)<br>Andhra Pradesh- 535145<br>Email: raghubloom@gmail.com<br>rachuriemail@yahoo.com | Jawahar dNavodaya<br>Vidyalaya<br>Kiltampalem, Bowdara (Post)<br>S. Kota Mandal, Vizianagarm<br>(Distt)<br>Andhra Pradesh- 535145 |
| 8.        | Ms. Rashmi Kathuria<br>PGT (Mathematics)<br>Kulachi Hansraj Model School<br>Ashok Vihar, Phase – III, New Delhi – 110052<br>Email: mathclass_khms@yahoo.co.in<br>rashkath2006@yahoo.co.in                                        | B-17, Vishal Enclave<br>New Delhi- 110027                                                                                         |
| 9.        | Mr. Shoukaman K.P.<br>High School Assistant<br>GHSS Panankandy<br>PO: Karani, Wayanad Distt. Kerala- 673591<br>Email: kpshouk@yahoo.co.in                                                                                        | Karyaparambil House<br>Malavayal<br>P.O. Thovarimala<br>Wayanad<br>Kerala - 673592                                                |
| 10.       | Mr. Santosh Kumar Bisen<br>TGT (Science)<br>Jawahar Navodaya Vidyalaya, Borai<br>Durg, Chhattisgarh – 491002<br>Email: skbisen@gmail.com<br>skbsen@hotmail.com                                                                   | Jawahar Navodaya Vidyalaya,<br>Staff quarter – T-III/11<br>Upper Floor,Borai<br>Distt- Durg<br>Chhattisgarh – 491002              |
| 11.       | Mr. S. Sriram<br>IT Administrator and HOD, Computer Science<br>Mayo College Ajmer, Rajasthan- 305008<br>Email: sriram@mayocollege.com                                                                                            | C-13, Sreshta Apartments<br>473, Kilpauk Garden Road<br>Chennai - 600010                                                          |
| 12.       | Mr. Supriya Bahukhandi<br>TGT (Mathematics)<br>GIC Dakpathar, Dehradun Uttarakhand –<br>248125<br>Email: supriyabah@gmail.com<br>supriyabah@yahoo.com                                                                            | 30, Sewak Ashram Road<br>Dehradun – 248001<br>Uttarakhand                                                                         |
| 13.       | Mr. Umesh Chandra Pandey<br>Lectruer in Mathematics<br>GIC Dinapani, Almora, Uttarakhand-263601<br>Email:<br>umeshchandrapandeya47@rediffmail.com                                                                                | Talla Joshi Khola, Near<br>Arya Kanya Inter College,<br>Almora,<br>Uttarakhand-263601                                             |

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# **Curricula for ICT in Education**

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