

परमाणु ऊर्जा शिक्षण संस्था **ATOMIC ENERGY EDUCATION SOCIETY**

अणुशक्ति नगर मुम्बई ४०००९४
Anushakti Nagar, Mumbai - 400 094



वार्षिक रिपोर्ट
Annual Report
2009-2010

GOVERNING COUNCIL OF AEES

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Innovative Endeavours by AEES

AEES launched several programmes to open up new vistas of learning and encourage students to develop an all round personality through myriad opportunities spanning various disciplines.

Through the Satellite and IT-Enabled Education (SITE), AEES aims to bring about a metamorphosis in the way of teaching-learning process by harnessing the potential of the multimedia. The process of linking all the AEC Schools through a dedicated satellite with a separate bandwidth is complete. AEES has started the regular transmission of lectures from ASTER studio, as a part of the e-learning process, with the available infrastructure.

The most awaited project of AEES - The Sports Complex with the Centralized Athletic and Aquatic facility, is coming up in Anushaktinagar. The building is developed for AEES, with international standard sports facilities including swimming pool for aquatic sports which would benefit the students of AEC Schools to a great extent. Many budding talents can be groomed for national and international level competitions. Priority will be given to the students of AEC schools in Anushaktinagar and outstations. It is also extended to the residents of Anushaktinagar during spare hours.

Parenting is one of the most challenging and satisfying experiences of one's life. The joy, parents feel from the child's conception to every stage of his growth, is immeasurable. Every child is born with limitless potential and intelligence. Today, there is lot of onus on the children to be smart and competitive. But somewhere, the need to perform has induced a lot of stress in the child. A spate of headlines in the media recently pointed to this harsh reality and it reflects on the environment, in which the children live today. As nurturers, parents have a role to play in ensuring that their children grow up to be self confident, balanced, responsible and caring citizens. This involves not only better understanding of the children and their needs, but also themselves as their anxieties, pressures, personalities, aspirations etc. all reflect on their children.

AEES was very keen on providing a forum that could focus on resolving the dilemma of parents about right parenting. AEES conducted a seminar on 'The Art of Parenting' in collaboration with the Institute of Psychological Health, supported by the medical fraternity of BARC Hospital on 10-04-2010. The conference was inaugurated by Dr. Srikumar Banerjee, Chairman, AEC & Secretary, DAE, Govt. of India. This endeavour was aimed at reaching out to the parental community to help them better understand the children and ensure them better future. Parents need training. Not because they are incapable, but because parenting is no longer simple. Mutual trust and respect between parents and children goes a long way in building a healthy relationship. Through this programme AEES had essayed to bring about awareness among the parents to enjoy healthy and stress-free parenting, cherishing the desire to awaken as many parents as it could. This mission to create a 'stress free world' for the student community may be a small step

towards harmonious integration of the society, but it sure is a giant leap to propagate humanitarianism.

AEES has offered an opportunity to its staff to widen their spectrum of knowledge and acquire associated professional skills through a two-year off-campus programme leading to a Master's Degree in Educational Systems Management in collaboration with BITS, Pilani. The written test to select suitable candidates from AEES for the admission of the 2nd batch to MS in Educational System Management through BITS, Pilani was conducted on 21st of November, 2009. Twenty two candidates that include Principals, Vice-Principals, PGTs, TGTs & PRTs were selected for the course. The first semester of the course commenced at BITS, Pilani on the 10th of December, 2009.

Six schools from Anushaktinagar, Mumbai and three schools from Jaduguda centre, two schools from Hyderabad Centre and one school from Manuguru are part of **UKIERI** programme. These schools have partnership schools in Derbyshire and Durham, UK.

Under this programme, four teachers from UK visited AEC Schools, Mumbai in July, 2009 and four UK teachers visited Hyderabad and Manuguru in February, 2010. As a reciprocal visit, four Headmasters and Headmistresses of AEC Schools in Mumbai visited Derbyshire schools in December, 2009 and four teachers from Hyderabad cluster are going to visit Durhan schools in July, 2010.

As a part of this initiative, the best practices of the partner schools are shared among themselves in terms of content, delivery, transaction of curriculum, testing and evaluation, training programmes etc. In addition to it, a common project template is prepared by the cluster schools.

The student exchange programme is an effort to reach out to students of other schools all over the world of International repute to facilitate a healthy exchange of ideas and cultures in a conducive atmosphere which will ultimately help in promoting peace, unity and better understanding amongst the torch bearers of tomorrow. AEES has tied-up with Global India Foundation which runs Global Indian International Schools in more than seven countries. Fifteen students who were the toppers in the Class X Board Examination, 2009 from all AEC Schools visited the Global Indian International Schools at Singapore as a part of the student exchange programme during 19th to 25th of April, 2010. The students were escorted by two teachers, a Principal and Secretary, AEES.

All over the world there is a conscious shift from special schooling to mainstream schooling for children with disabilities. The students suffering with learning disabilities need to be absorbed in the mainstream of education. However, they require constant guidance from the special educators who can enable them to understand various concepts and adapt to the main course of education.

Atomic Energy Education Society has decided to train its teachers and groom them to be the special educators in order to provide the benefit of their services to those students from AEC Schools in Mumbai and Tarapur who are identified with various kinds of learning disabilities viz. dyslexia, dyscalculia and dysgraphia. AEES organized a Short Term Skill Enhancement Programme in 'Management of Learning Disability' to a select group of teachers from AEC Schools in Mumbai and Tarapur with the support of a resource team from SNDT University, Mumbai from 2nd July to 8th of October, 2010.

AECS - 4, Mumbai, AECS-3, Tarapur and AECS, Mysore have been granted permission by the CBSE to start Class XII from the academic year 2010-11. AECS, Turamdih and AECS-6, Mumbai have been recognized by CBSE for the X board examination.



SUMMARY OF THE ANNUAL REPORT

(2009-2010)

The Atomic Energy Education Society was established to provide quality education to the children of the employees of the Department of Atomic Energy and its constituent units. From a modest beginning in the year 1969 with one school in Anushaktinagar, the AEES has grown from strength to strength, and currently administers 30 schools and Junior colleges at 15 locations all over the country, with total student strength of over 27,000 and about 1695 employees, of whom over 1370 are teachers.

AEES has achieved significant results in its pursuit of excellence in academic as well as non-academic fields. The enrichment of the school libraries, computer aided education, improved sports facilities, multi play equipments, introduction of adventure sports, in-service training programmes for teachers, better multi media programmes and enrichment programmes for students have helped the institution to set new benchmarks in excellence. Projects like the construction of auditoria, additional classrooms and the setting up of computer and mathematical laboratories, have greatly contributed to the strengthening of infrastructural facilities in our schools.

Several initiatives like the launching of key long-term projects such as Application of Science and Technology for Educational Reforms (ASTER), and on-going programmes like the adventure sports, Project Green Shield - to spread awareness about the environment and a project called The Spirit of Gandhi - to spread Gandhian philosophy, have helped the institution to break new grounds and scale greater heights even while widening the scope of education. Welfare measures aimed at students as well as the community around were also taken up.

The All India Junior Science and Mathematics Olympiad as well as the AEES Science and Social Science Exhibitions are being organized every year to motivate and nurture the students. Selected exhibits are sent to the Jawaharlal Nehru National Science Exhibition. Enrichment programmes for bright students of the higher secondary class and training programmes for the NTS examinations are conducted every year. To broaden the knowledge of the students, educational trips have become a regular feature in all the schools.

More than **442** students of AEES have secured admission to reputed professional colleges for Engineering, Medicine, Law, NDA etc.

In the All India Secondary School Examination held in March 2010, the average pass percentage was **99.46**. In the Higher Secondary Examination, the average pass percentage was **89.21**.

The strengthening of sports facilities has helped the students to improve their skills and bring laurels to their schools.

The Talent Nurture Programme for the bright children from the rural/tribal areas is running at eleven centres. At present **1025** children are receiving free education and other facilities under this programme.

The Dr. Homi Bhabha Rolling Trophy was awarded to AECS-4, Mumbai for the best overall performance among schools and to AEJC, Mumbai for the best overall performance among junior colleges for the year 2008-2009.

The Dr. Vikram Sarabhai Rolling Trophy was awarded to AECS, Indore for being the most progressive school of the AEES and to AECS, Kakrapar for being the most progressive junior college of the AEES. The trophies were distributed on the 26th of January, 2010. All India Toppers of AEES from Classes I to X were felicitated during this occasion with mementos and cash prizes.

It is a matter of great pride that Atomic Energy Junior College, Mumbai is rated in Grade 'A' which is the highest grade awarded by the Maharashtra Board of Secondary & Higher Secondary Education, Pune for the academic session 2008-2009.



ATOMIC ENERGY EDUCATION SOCIETY

Anushaktinagar, Mumbai – 400 094

Annual Report (2009 – 2010)

The Atomic Energy Education Society (AEES), an autonomous institution under the administrative charge of the Department of Atomic Energy (DAE) was established in the year 1969 to meet the educational needs of the children of the employees of the Department of Atomic Energy and its constituent units working at different centres in the country. AEES currently administers 30 schools/ Junior colleges at 15 centres located all over India and provides education to over 27, 000 students. At present there are about 1695 employees of whom over 1370 belong to the teaching category.

AEES has achieved remarkable success in its quest for excellence in academic as well as non-academic areas such as sports, NCC and arts. Several positive measures like the strengthening of infrastructure facilities, enrichment of the school libraries, computer-aided education and improvement of sports facilities and in-service training programmes for the teachers as well as enrichment and educational programmes for the students have contributed significantly to the objective of providing quality education that would meet the aspirations of the students.

Essential facilities like computer laboratories as well as mathematics laboratories have been added to almost all the schools. The pre-preparatory and preparatory Classes are running successfully at many centres. Activity rooms equipped with teaching-aids and LCD projectors in all the primary schools have strengthened the teaching-learning process.

1. ACADEMIC PERFORMANCE

1.1 Board results

2019 students took the All India Secondary School Examination (CBSE) in March 2010. The pass percentage was **99.46**. The number of students who took the Higher Secondary Examination was **1696** and the pass percentage was **89.21**.

1.1.1 All India Secondary School (AISS), Examination 2010

The CBSE has introduced the Grading System based on Continuous and Comprehensive Evaluation (CCE) at Secondary School Level for Classes IX and X from the academic year 2009 – 2010. In this system, students' performance is assessed using conventional numerical marking mode, and the same is converted into grades on the basis of marks ranges. Accordingly, the Board has issued "Statement of Subject-wise Performance" for Class X examination using the following nine point scale.

| Marks | Grades | Points/ Grade | Marks | Grades | Points/ Grade |
|----------|--------|------------------|--------------|--------|------------------|
| 91 – 100 | A 1 | 10 | 41 – 50 | C 2 | 5 |
| 81 – 90 | A 2 | 9 | 33 – 40 | D | 4 |
| 71 – 80 | B 1 | 8 | 21 – 32 | E 1 | - |
| 61 – 70 | B 2 | 7 | 20 and below | E 2 | |
| 51 – 60 | C 1 | 6 | | | |

In total from all the 28 AEC Schools 2019 students appeared in the Board examination in March, 2010 and the pass percentage is 99.46 as compared to 98.96 last year. Out of 28 schools, 21 schools have produced 100% result. 27% of the students secured A1 Grade and 21% secured A2 Grade and the overall Excellence Index (those who scored more than 60% marks) is 84.53.

Out of twenty-eight AEC schools, twenty-one schools (Mumbai-1,4 & 5, Tarapur-1, 2 & 3, Narora, Rawatbhata-2, Anupuram, Narwapahar EM & HM, Turamdih, Indore, Mysore, Oscom, Hyderabad-2, Kalpakkam-1 & 2, Manuguru, Kaiga, and Kudankulam) have secured **100%** results.

1.1.2 All India Senior Secondary Certificate (AISSC) / HSC Examination, 2010

From the 15 AEC Schools and Junior Colleges, 1696 students appeared in the Class XII examination in March, 2010. The pass percentage is 89.21 and the Excellence Index is 66.27. AECS- Kaiga, AECS- Kudankulam and AECS-2, Jaduguda produced 100% result.

The pass percentage of AEJC, Mumbai, AECS-1, Tarapur, AECS, Kudankulam, AECS-2, Kalpakkam, AECS-2, Jaduguda, AECS, Manuguru, AECS, Indore and AECS, Kaiga is above 90.

Felicitations of Toppers

Every year the students of Class XII from AEC Schools & Junior colleges bring laurels to AEES by achieving excellence in the Board Examinations. This year too, many students have come out with flying colours and have done AEES proud.

AEES felicitated the Toppers of Class XII and high-achievers from AEC Schools & Junior colleges, who brought laurels to AEES by achieving excellence in academics. The function was held on Saturday 19th June, 2010, at AECS-6, Anushaktinagar, Mumbai. The Toppers in Class XII of AEC Schools and high-achievers who cleared the IIT/JEE and National Law Entrance Examination were awarded certificates and medals. Dr Srikumar Banerjee, Chairman, Atomic Energy Commission & Secretary, DAE, Govt. of India and Dr R. K. Sinha, Director, BARC graced the occasion with their august presence which had an obvious dynamic and motivational effect on the people around.

1.2 Admission to Professional Courses

A large number of students have secured admission in 2010 to professional courses all over the country. The particulars are as follows.

(a)

| Professional Courses | No. of Students | Schools / Colleges |
|---|-----------------|--|
| <i>Engineering</i> | | |
| I.I.T | 22 | 4 from AECS-1, Tarapur, 9 from AEJC, Mumbai, 5 from AECS, Indore, 3 from AECS-4, Rawatbhata, 1 from AECS, Kakrapar |
| AIEEE (NIT/ other Engineering Colleges) | 137 | 37 from AEJC, Mumbai, 33 from AECS-2, Kalpakkam, 3 from AECS-1, Tarapur, 25 from AECS-1, Hyderabad, 9 from AECS-4, Rawatbhata, 7 from AECS, Indore, 1 from AECS, Oscom, 4 from AECS, Kaiga, 18 from AECS, Manuguru |
| Through State Entrance Exams | 268 | 25 from AECS-1 Hyderabad, 100 from AEJC, Mumbai, 100 from AECS-4, Rawatbhata, 29 from AECS, Narora, 7 from AECS, Indore, 2 from AECS, Kudankulam, 5 from AECS, Oscom |

(b)

| Professional Courses | No. of Students | Schools / Colleges |
|-----------------------------------|-----------------|--|
| <i>Medicine (MBBS)</i> | | |
| Through All India Entrance Exams | 1 | 1 from AEJC, Mumbai, |
| Through State Entrance Exams | 7 | 2 from AECS-2, Kalpakkam, 3 from AECS-1, Tarapur, 2 from AECS, Kaiga |
| <i>BDS</i> | | |
| | 2 | 1 from AECS-4, Rawatbhata, 1 from AECS, Narora |
| <i>Law</i> | | |
| National Law Entrance Examination | 1 | 1 from AEJC, Mumbai |

(c)

| <i>NDA</i> | | |
|--------------------------|------------|--|
| | 4 | 2 from AECS, Oscom (Naval Academy, & Indian Air Force), 2 from AECS-1, Hyderabad (Merchant Navy) |
| Total (a + b + c) | 442 | |

1.3 National Talent Search (NTS) Scholarship

Several students of AEC Schools performed well in the talent search examinations conducted by different states. Many cleared the NTS as well. The particulars of those selected to receive the prestigious scholarship are as follows.

| School | No. of students who cleared NTS examination – May 2009 | Finally selected for scholarship in – 2009 |
|---------------------------|--|--|
| AECS-2, Kalpakkam | 02 | 02 |
| AECS, Kakrapar | 01 | 01 |
| AECS, Kaiga | 07 | 07 |
| AECS, Indore | 08 | 07 |
| AECS-3, Mumbai | 01 | 01 |
| AECS-4, Rawatbhata | 03 | 02 |
| AECS-4, Mumbai | 01 | 01 |
| AECS, Mysore | 01 | - |
| Total | 23 | 21 |

1.4 UNO examination/Annual All India General Knowledge Test

| School | Achievement |
|------------------|--|
| AECS-2, Jaduguda | Five students secured the sixth position, one student secured the first position and one student secured the third position in the Junior category in All India General Knowledge Test. |
| AECS, Oscom | One student secured the sixth position in the Junior category and two students secured the sixth position in the Pre-Senior category in All India UN Information Test conducted by the Council for UN Information in August, 2009. |
| AECS-4, Mumbai | One student secured the first position in the Junior category in All India UN Information Test conducted by the Council for UN Information in August, 2009. |

1.5 Regional/National/International Mathematics/Science Olympiad

- G. Roshanlal of Class X, AECS-3, Mumbai cleared the Regional Maths Olympiad (RMO) Exam held in Nov. 2009 and qualified for Indian National Maths Olympiad (INMO). The INMO commenced in January, 2010 in which G.

Roshanlal emerged successful and attended the coaching camp for International Maths Olympiad (IMO). Shreyas P. Dixit of Class X from AECS-4, Mumbai cleared the Regional Maths Olympiad (RMO) Exam conducted by HBCSE on behalf of National Board for Higher Mathematics (NBHM) held in Nov. 2009

- Regional Maths Olympiad was conducted by HBCSE, Mumbai on the 29th of November, 2009. One student, Shubham Singhal from AECS-2, Mumbai cleared RMO. Twenty students from AEJC, Mumbai appeared for the examination. But none could make entry in the list of second level examination.
- Department of Mathematics, IIT, Mumbai conducted Mathematics Olympiad to inculcate mathematical spirit among students. Abhishek Vajrekar secured 10th rank in the Mathematics Olympiad.
- Nitesh Kumar Singh, from AEJC, Mumbai won the 1st Prize in the XIV International Astronomy Olympiad organized by Euro-Asian Astronomical Society in November, 2009.

National Standard Examination in Physics, Chemistry, Biology & Astronomy 2009-2010

| | |
|----------------|---|
| Physics | 1 from AEJC, Mumbai (Top 10% of Centre) 1 from AEJC, Mumbai (Eligible for INPhO Stage-2 & National Top 1%) 1 from AEJC, Mumbai (Top 1% of State) |
| Chemistry | 1 from AEJC, Mumbai (Top 10% of Centre) 2 from AEJC, Mumbai (Top 1% of State) |
| Biology | 1 from AEJC, Mumbai (Top 10% of Centre) |
| Astronomy | 1 from AEJC, Mumbai (Top 10% of Centre) 1 from AEJC, Mumbai (Eligible for INAO Stage - 2) 1(Senior) & 1 (Junior) from AECS, Indore (Top 10% of the exam) 1 (Junior) from AECS, Kaiga(Top 1% of State) 1 (Junior) from AECS-4, Mumbai (Statewise Top 1%) |
| Junior Science | 1 from AECS, Indore (Top 10% of the exam) 1 from AECS-4, Mumbai (Statewise Top 1%) |

1.6 Other achievements

- The Inter AECS Hindi Vigyan Prashna Manch (Zonal Level) was held at four zones namely AECS-1, Tarapur, AECS-1, Jaduguda, AECS, Narora and AECS,

Kaiga in September, 2009. The winners at the zonal level participated in the All India level Inter AECS Science Quiz which was conducted by Hindi Vigyan Sahitya Parishad, BARC, Mumbai, in the Central Complex Auditorium on 20th of November, 2009. The team from AECS-3, Mumbai stood first, the team from AECS-2, Kalpakkam won the second position and team from AECS-2, Rawatbhata secured the third position.

- It is a matter of great pride that AEJC, Mumbai is rated Grade 'A' which is the highest grade awarded by the Maharashtra Board of Secondary & Higher Secondary Education, Pune for the academic session 2008-2009.
- Sagarika Unnikrishnan of Class X, AECS-3, Mumbai was honoured with the prestigious post of Times NIE Star Correspondent, 2010. This is the second consecutive year she was given this prestigious award.
- G. Roshanlal of Class X and Neeraj Vitthal Ingle of Class IX from AECS-3, Mumbai secured the 2nd rank in All India Maths Talent Search Examination conducted by Indian Institute for Studies in Mathematics in February, 2009. Preey Hiten Shah, Debanjali Chatterjee, Kumaresh Ramesh and Patil Sanjay Prem Kumar of Class VI from AECS-4, Mumbai secured 1st, 2nd, 3rd and 4th ranks.
- Four students from AECS, Narora, one student from AECS-4, Mumbai and two students from AECS, Kaiga secured ranks at national level in the National Level Science Talent Search Examination organized by Unified Council in January, 2010.
- Neeraj Vitthal Ingle of Class IX from AECS-3, Mumbai secured the 3rd rank in All India Open Mathematics Scholarship Examination held in September, 2009.
- Eight students from AECS-3, Mumbai received cash prizes in the 11th National Science Olympiad (Level II) conducted by the Science Olympiad Foundation.
- One student from AECS-6, Mumbai, fourteen students from AECS-4, Mumbai and one student from AECS-5, Mumbai secured the All India ranks, two students from AECS-2, Hyderabad and four students from AECS, Anupuram secured the best school ranks in the 12th National Science Olympiad (Level I) conducted by the Science Olympiad Foundation in November, 2009. One student from AECS, Kudankulam secured good rank in the final round in the 12th National Science Olympiad in March, 2010. Six students from AECS, Narora, ten students from AECS, Indore and six students from AECS-4, Rawatbhata, secured All India ranks in Level II. One student from AECS, Kaiga, (Pavan Hebbar clinched 2nd rank in the National Science Olympiad and received a laptop from Former Chief Justice of Supreme Court, New Delhi.

- Four students from AECS, Anupuram and one student from AECS-4, Mumbai secured good school ranks, eight students from AECS-4, Rawatbhata, eight students from AECS, Indore and seven students from AECS, Narora secured All India ranks and Naman Samarth from AECS-2, Hyderabad bagged a trophy in the 9th National Cyber Olympiad, held in September, 2009.
- Five students from AECS, Anupuram, **one student from AECS, Kaiga** and one student from AECS-2, Hyderabad, seven students from AECS, Indore, and eight students from AECS, Narora secured international ranks in the 3rd International Mathematics Olympiad held in December, 2009 organized by the Science Olympiad Foundation. Two students from AECS, Kudankulam, secured good ranks and fourteen students from AECS-4, Mumbai secured international ranks in the final round in the 3rd International Mathematics Olympiad held in March, 2010.
- Two students (Junior Level) and one student (Sub-Junior Level) from AECS, Anupuram and two students (Sub-Junior Level) from AECS-1, Hyderabad were among the Top 10% scorers in the XLI 41st National Mathematics Talent Competitions-2009 organized by The Association of Mathematics Teachers of India. Two students from AECS, Kudankulam were among the top scorers in Primary level Final Test.
- Shobhit Kumar and Sajal Srivastava of Class X from AECS-4, Rawatbhata were awarded shields for securing 100% marks in the 13th National Mathematics Olympiad Contest – 2010 organized by All India Schools Mathematics Teachers Association.
- Two students from AEJC, Mumbai, (Arvind of Class XI stood first and Subhav Srivastav of Class XII) stood second in the school round of National Quiz Contest on New and Renewable Energy conducted by Sri Adhikari Bros., Television Network Ltd. on the 25th of November, 2009.
- Pranjal Kumar and Nishant Mishra from AEJC, Mumbai, stood second in the ‘Metals and Materials Quiz-2009’ organized by Indian Institute of Metals, Mumbai on the 22nd of August, 2009 and won a cash prize.
- Three students from AECS-2, Mumbai (Riya, Maria Jijo & Sneha Maske) won trophies and certificates in the Art Festival organized by the Tata Institute of Fundamental Research (TIFR) on 24th of January, 2010 to celebrate the birth centenary of Dr Homi Bhabha, the founder of TIFR and creator of India’s Atomic Energy Programme. Shri M. D. Borkar won the 1st Prize in the Painting

competition and was awarded a certificate, cash prize and a gold medal. He also won the consolation prize in the Painting competition organized by the Bhabha Atomic Research Centre at the All India AEES Teachers' Level.

2. ACADEMIC ACTIVITIES

2.1 AEES JSO/JMO (in collaboration with the HBCSE)

The eleventh AEES Junior Science and Mathematics Olympiad was held at Mumbai from 3rd to 12th of May, 2010. 57 students of Class IX along with 14 mentor teachers participated in the programme. In the Junior Science and Mathematics Olympiad Tests conducted on 10.05.2010, the following were awarded medals and prizes. In addition, they were also given cash prizes from Smt. Sandhya Gondhalekar Fund maintained in the Central Office.

Top scorers in the Eleventh AEES Junior Science Olympiad - 2010

| Sr. No. | Medal | Winner's Name | School | Centre |
|---------|--------|--------------------|--------|----------|
| 1. | Gold | Arnav Kumar | AECS | Narora |
| 2. | Silver | Neeraj Ingle | AECS-3 | Mumbai |
| 3. | Bronze | Praneet Khandelwal | AECS | Kakrapar |

Top scorers in the AEES Junior Mathematics Olympiad – 2010

| Sr. No. | Medal | Winner's Name | School | Centre |
|---------|--------|--------------------|--------|----------|
| 1. | Gold | Palash Chauhan | AECS-3 | Tarapur |
| 2. | Silver | Shirin Fathima | AECS-2 | Mumbai |
| 3. | Bronze | Praneet Khandelwal | AECS | Kakrapar |

A science quiz was also conducted during the Junior Science and Mathematics Olympiad for which the students were selected on the basis of a written test. The following were the winners of the science quiz who were also given cash prizes from Smt. Sandhya Gondhalekar Fund.

| Sr. No. | First Position Winner's Name | School/ Centre | Second Position Winner's Name | School/ Centre |
|---------|------------------------------|----------------|-------------------------------|----------------|
| 1. | Neeraj Ingle | AECS-3, Mumbai | Kaustabh Sarkar | AECS-6, Mumbai |
| 2. | Ishwar Gawande | AECS-5, Mumbai | Deepesh Sawhney | AECS, Kakrapar |

| | | | | |
|----|--------------------|-----------------------|----------------|--------------------|
| 3. | Abhishek Naik | AECS, Indore | Palash Chauhan | AECS-3, Tarapur |
| 4. | Srishti Chaturvedi | AECS-4, Rawatbhata | Arnav Kumar | AECS, Narora |

2.2 Science Exhibition

AEES has been recognized as a separate entity by NCERT to participate at the Jawaharlal Nehru National Science Exhibition, an annual event. Projects from AEC schools are selected at AEES level for JNNSE. The All India AEES Science, Mathematics, Teaching aids and Social Science Exhibition, 2009 which was to be conducted at AECS-4, Rawatbhata from 16th to 18th of August, 2009, was called off due to the outbreak of Swine flu in different parts of the country during that period. The exhibits for the All India Inter AECS/JC Exhibition, 2009 that have already been selected at the school / local level (Level I) were called at the Academic Unit along with the write-ups, documentary proofs and photographs for selection at Level II. These write-ups were carefully scrutinized by a committee and the exhibits were short listed. The prizes for the Science, Social Science, Mathematics projects and the Teaching aids were given away to the winners during the Annual Principals' Conference.

Out of 15 exhibits that were sent to NCERT, six were selected for display at the 35th Jawaharlal Nehru National Science Exhibition (JNNSE) – 2009 held at Kolkata on 17th of November, 2009. In the JNNSE, one of the exhibits from AECS-2, Kalpakkam was placed among the top 20 and the write-up pertaining to it was published in the booklet of JNNSE the following year.

3. TALENT NURTURE PROGRAMME

The Talent Nurture Programme (TNP) was launched in June 1999 for the benefit of the bright children belonging to socially and economically disadvantaged tribal communities, including rural children residing in the vicinity of AEC Schools. In the beginning, the children were admitted in different classes (I, II or III) depending on their merit and age. From 2002 onwards, the children are selected for admission in Class I under this programme.

Candidates are selected on the basis of a written test and interview by a team comprising of a member from the Academic Unit and a member of Homi Bhabha Centre for Science Education (HBCSE), Mumbai. The selection test for the children to be admitted to Class I under Talent Nurture Programme for the academic session 2010-2011 was conducted in the month of February, 2010 in Narora, Rawatbhata, Tarapur, Kakrapar, Kaiga, Manuguru, Jaduguda and Narwapahar and in March at Kalpakkam and Kudankulam. Admissions were granted to 106 students under TNP for the next session.

Soon after their admission, special coaching is arranged for the TNP students during the summer vacation to enable them to cope with the regular curriculum. Extra coaching classes are arranged after school hours during the academic session.

11 centres of the AEES provide education to children admitted under the TNP. At present there are **1025** (539 boys and 486 girls) children getting free education. These students also receive a monthly scholarship, medical facilities, school uniforms, books and notebooks.

4. COMMON ANNUAL EXAMINATIONS & CENTRALIZED EVALUATION

Common Annual Examinations for all the classes of AEC schools were held from 4 – 15 March, 2010. The answer scripts of the common annual examination-2010 of Classes I to VIII of all AEC Schools were evaluated at 18 centres viz, Mumbai, Tarapur, Kakrapar, Rawatbhata, Indore, Narora, Narwapahar, Oscom, Hyderabad, Manuguru, Mysore, Kalpakkam, Kudankulam, Kaiga and Jaduguda from 17-03-2010 to 22-03-2010. Teachers from all the AEC Schools were involved in the evaluation process. The tabulation work was carried out simultaneously and the results complete in all respects, were dispatched to the respective schools on 22-03-2010. The results were declared on 30th March, 2010. As per the Right to Education (RTE) Act, all students up to Std. VIII were promoted to the next higher class. The next session commenced from 1st April, 2010.

5. WORKSHOPS, SEMINARS & ORIENTATION PROGRAMMES

The following Orientation programmes were organized for the TGTs of AEES schools with a purpose to empower the teachers to plan and execute the various classroom activities to be used for better evaluation from 3rd to 7th May, 2010. These programmes equip the teachers to handle the differently abled students effectively and guide them to perform better.

| S. No. | Venue | Subject | Category |
|---------------|--------------------|------------------|-----------------|
| 1. | AECS, Indore | Maths / Physics | TGTs |
| 2. | AECS-3, Rawatbhata | Hindi / Sanskrit | TGTs |

| | | | |
|----|-------------------|--------------------------|------|
| 3. | AECS-1, Hyderabad | English / Social Studies | TGTs |
| 4. | AECS-2, Mumbai | English / Social Studies | TGTs |
| 5. | AECS, Oscom | Biology/ Chemistry | TGTs |

The XII All India Official Language Conference

A two-day XII All India Official Language Conference, organized by Variable Energy Cyclotron Centre (VECC) was held at Kolkata on the 5th and 6th of November, 2009 to commemorate the birth centenary year of Dr. Homi Jehangir Bhabha. In this connection, a painting competition was conducted for the staff of DAE and its constituent units. AEES participated in the painting competition and three best paintings selected by eminent artists from J.J. School of Arts were exhibited during the conference. The results are as follows.

| | | |
|--------------------------|-----------------------|------------------|
| Shri Niroj Kumar Mohanty | 1 st prize | AECS-2, Jaduguda |
| Shri P. K. Mohanty | 2 nd prize | AECS, Kaiga |
| Shri Vipin Kumar Makwana | 3 rd prize | AECS, Kakrapar |
| Shri Mahendra Borkar | Consolation prize | AECS-3, Mumbai |
| Shri Manish Kumar Shah | Consolation prize | AECS, Narwapahar |

NIE Workshop for setting up of microscale chemistry lab in schools

NCERT has developed a kit for SEAT (Student Environment, Administrator and Teachers) friendly microscale chemistry laboratory. It has apparatus that will be adequate to carry out chemistry experiments for Classes VI to XII. It can do analytical, Physical and Organic Chemistry experiments and is claimed to be cost-effective, safe, environment-friendly and pedagogically-sound. A workshop to demonstrate the use of the kit was arranged for all the PGT (Chemistry) and TGT (Bio / Chem) teachers from Mumbai, Tarapur and Kakrapar on 30th of Nov. 2009 at Atomic Energy Junior College, Mumbai. Prof. H.O. Gupta from NCERT demonstrated the kit that was appreciated by all the teachers.

Workshop Series on Project Based Learning

Today's students need to become critically aware citizens of a democratic nation and a globalized world. Hence, students need to be exposed to problem solving in school as well as in their local and larger communities. Besides, the widening access to information implies that teachers and students need to be equipped with the ability to select knowledge and skills for use in solving problems.

Educators around the world perceive that Project Based Learning (PBL) addresses issues that traditional classroom learning does not. Collaboration between teachers within and across schools and with school administration, parents and research institutions can help in

implementing PBL. HBCSE, TIFR, Mumbai hopes to achieve this through a series of workshops on Project Based Learning for Middle School Teachers of Science, Mathematics, Social Studies and Language conducted between July and December, 2010. The first workshop in this series was held from 7th to 10th July, 2010 at HBCSE, Mumbai.

Yuva-Utkarsh

DIYA (Divine India Youth Association) in Association with Bombay Physical Culture Association (BPCA) organized “YUVA-UTKARSH” a programme on youth empowerment on 23rd of January, 2010 at Mini Stadium of Bharatiya Krida Mandir, Wadala in Mumbai. Some students of Class IX from AEC Schools, Mumbai participated in “YUVA-UTKARSH”. The theme of the event was to empower youth physically, spiritually, economically and socially and aimed at harnessing the innate potential of youth towards National development through self-refinement.

Foundation Day Lecture at TIFR, by Honourable Dr A P J Abdul Kalam

The Tata Institute of Fundamental Research (TIFR) was founded on 1st of June, 1945. An Annual Foundation Day Lecture has been instituted from the year 2009 to mark this historic date. This year, the Foundation Day Lecture was delivered by Honourable Dr A. P. J. Abdul Kalam, Former President of India, on the 1st of June, 2010 at 10.00 a. m. Around sixty students and twenty officials of AEES attended the lecture at TIFR.

6. NON-ACADEMIC ACTIVITIES – Sports, NCC and Art

6.1 Sports

Summer Sports Coaching Camp

Physical education serves as a medium for man’s total education - intellectual, emotional, developmental and so on, using experiences centred in movement. And in today’s schools these experiences are focused largely on the natural movements of active play or recreational life. Physical education cannot escape its responsibility to measure up to the needs of the day. It must choose its activities and methods not at random and not for traditional reasons but with a clear eye to where it is going, to the effect it has upon people.

Atomic Energy Education Society in collaboration with the Department of Atomic Energy Sports & Cultural Council organized a Summer Sports Coaching Camp for school children from 17th of April to 15th of May, 2010. 154 children were selected based on the skill and interest exhibited by them in various games such as Football, Volleyball, Lawn Tennis, Table Tennis and Badminton. Out of them, 34 were selected for Football, 25 for Basket ball, 25 for Table Tennis, 35 for Badminton, 15 for Volley ball and 20 for Lawn Tennis. Some alumni also came voluntarily to help the children in developing the skills related to various games. The camp was

divided into two phases – Preliminary round and Final round. The participants were provided with nutritious food on each day after the training sessions. Each participant was provided with an attractive T-shirt with a monogram on it.

Dr S. K. Kulshreshtha, Chairman, AEES categorically stated that, ‘The results of a good physical education are not limited to the body alone, but they extend even to the soul. Physical educators should essentially present a structured programme for the total well-being of the students which includes intellectual fitness, emotional fitness and social fitness. He also expressed that AEES is planning to continue the Advance Coaching Camp for sports throughout the year. A Sports Complex with international standard sports facilities including swimming pool for aquatic sports is coming up in Anushaktinagar which would benefit the students of AEC Schools to a great extent. Many budding talents can be groomed for national and international level competitions. If it be true that by careful physical training the health of the body may be improved and the mental capacity to some extent increased, and the moral character strengthened, surely in these days when the struggle for existence is so keen that only the fittest survive, the subject of the physical education of the young is one that demands close attention.

- Miss K. Kayalshree, of AECS-2, Kalpakkam participated in CBSE National Athletic Meet, held at Jaipur.
- U-19 boys from AECS-Indore, participated in the National level Volleyball Tournament held at Punjab.
- Miss Ankita Negi, of AECS-3, Mumbai participated in the National level Basketball Tournament, held at Indore.
- Master G. Anudeep, Miss Soundarya, Miss Divyabharati Mishra and Miss Krishnasri from AECS-Manuguru participated in the CBSE National Athletic Meet, held at Jaipur.

| S N | School | Level | Game/Sport | No./Category | Achievement |
|----------------|----------------------|----------------|----------------|----------------|------------------|
| 1. | AECS-2, Kalpakkam | CBSE Cluster | Athletics | U/14 girls | Won seven prizes |
| | | District level | Table Tennis | Senior girls | Winners |
| | | | | Senior boys | Winners |
| | | | Badminton | Senior girls | Runners up |
| | | | | Senior boys | Runners up |
| | | Division level | Athletics | Senior boys | Won ten prizes |
| Division level | Athletics | One boy | Won two prizes | | |
| 2. | AECS- Anupuram | District level | Table Tennis | Three students | Runners up |

| | | | | | |
|-----|------------------------|----------------|--------------|-------------------|--------------------|
| 3. | AECS-1, Hyderabad | District level | Athletics | Ten students | Won sixteen prizes |
| | | State level | | One girl | Won one prize |
| 4. | AECS-2, Rawatbhata | District level | Swimming | One girl | Won two prizes |
| | | State level | | Three students | Participation |
| | | District level | Table Tennis | U 14 boys | Runners up |
| | | | Badminton | U-14 boys | Third place |
| | | State level | Table Tennis | One boy | Participation |
| | | | Badminton | U-14 boys | Runners up |
| 5. | AECS- 4, Rawatbhata | District level | Table Tennis | U-14 boys | Winners |
| | | | | U-14 girls | Runners up |
| 6. | AECS- Narwapahar | CBSE Cluster | Table Tennis | U-14 boys | Runners up |
| 7. | AECS-1, Mumbai | District level | Badminton | U-16 girls | Runners up |
| | | | | U-17 girls | Winners |
| | | Division | Basketball | Junior girls | Participation |
| | | All India Open | Chess | One boy | Tenth place |
| 8. | AECS- Kudankulam | Inter District | Cricket | U-16, One student | Participation |
| | | | | U-19 team | Participation |
| | | District | Table Tennis | One boy | Runners up |
| 9. | AECS-3, Mumbai | District | Basketball | U-16 team | Runners up |
| 10. | AEJC, Mumbai | District | Athletics | Four boys | Won three prizes |
| 11. | AECS- Manuguru | CBSE | Athletics | Six students | Won six prizes |

6.2 NCC

| School | Achievements |
|-------------------|--|
| AECS-1, Kalpakkam | ATC-Master M, Krishna won 1 st prize in Solo singing and Master R. Abhilash Kumar won 1 st Prize in Firing Competition. The Girls' Handball team won 2 nd Prize. CTC/TSH/RDC-5 girls participated in this camp. They secured 1 st prize in Line Lay out and Handball and secured 2 nd prize in Drill competition. They were also awarded Overall Championship. NIC-Five boys participated in this camp. |
| AECS-2, Kalpakkam | RDC- Miss S. Shruti Vijayshree attended the RD Camp. TSC- Miss B. Mounisha attended the TS Camp. |
| AECS-Anupuram | Miss R. Rangeela attended the RD Camp. |

| | |
|--------------------|--|
| AECS-1, Hyderabad | Miss K. Priyanka participated in RD Parade and Prime Minister's rally. She has also been selected at the final level for the youth exchange programme in NCC under Air Force Wing. |
| AECS-2, Hyderabad | The Boy cadets won 1 st Prize in Volleyball in the ATC. |
| AECS-2, Rawatbhata | Miss Ekashmi Rathore was awarded Sahara Scholarship of Rs.6000.00 8 girl cadets participated in Pre RD Camp. The cadets won the Drama Competition at the ATC. |
| AECS-3, Rawatbhata | The cadets won the Drama Competition at the ATC |
| AECS-4, Rawatbhata | The cadets won the Drama Competition at the ATC. 15 girl students participated in the CATC/Pre RD Camp. 25 girl cadets participated in the NIC. 35 boy cadets participated in the CAT Camp. Two boys participated in the Pre RD Camp. |
| AECS-Narora | Miss Sakshi Kashyap & Miss Krishna Bharti secured I position in Kho-Kho at the ATC. Miss Swati Punia secured II position in Debate competition at the ATC. Miss Prerna Sharma and Miss Ruby Bhaghel stood I in Volleyball & Tug of War at the ATC. |
| AECS-Narwapahar | 6 students were awarded a scholarship of Rs.6000.00 each by the Cadets Welfare Society. |
| AECS-3, Mumbai | Master Damotharan stood first in drill competition and line layout, and Master Shankar Sairam stood first in Solo Singing Competition at the ATC. |
| AECS-4, Mumbai | The cadets won I prize in Parade Drill Competition, Line Lay Out Competition, Essay Writing Competition, Group Dance Competition, Solo Dance Competition |
| AECS-5, Mumbai | Master Jerin Sunny stood I in Best Cadet Competition and Master Pransh Tiwari stood I Essay Writing Competition at the ATC. |
| AECS-Manuguru | Master T. Vishal was selected for the South Zone Coaching Camp for coaching and training in Shooting. |

6.3 Art

In the Grade Examination of Directorate of Art (Elementary & Intermediate Drawing Grade Exams), Maharashtra State Board, held in September, 2009, 136 students from AEC schools of Mumbai and Tarapur have passed the elementary level and 134 students have passed the intermediate level.

6.3.1 AEES Art Competition

The All India AEC Schools Art Competition – 2009 was held at AECS-2, Rawatbhata in November, 2009.

The results are as follows.

| Group | Class | Name of the student | Centre/School | Position |
|--------------|------------------------|----------------------------|----------------------|------------------------|
| A | Pre- prep & prep | G. Sai Swapna | AECS-2, Hyderabad | I |
| | | T. Koojitha | AECS-2, Hyderabad | II |
| | | Kriti Seth | AECS, Kakrapar | III |
| | | Vedant | AECS-4, Rawatbhata | III |
| | | Samparna Padhee | AECS, Narwapahar | Consolation I |
| | | K.Kalithitesh | AECS, Kudankulam | Consolation II |
| | | Sudhanshu | AECS-3, Rawatbhata | Consolation III |
| B | 1 & 2 | A. Janavi | AECS-1, Kalpakkam | I |
| | | Dev Dutt N. M. | AECS, Kakrapar | II |
| | | Manbir | AECS-4, Rawatbhata | II |
| | | Kirti Dawar | AECS, Indore | III |
| | | Urvi | AECS, Indore | Consolation I |
| | | Ayush Kumar | AECS, Turamdih | Consolation II |
| | | H. Arshita Jain | AECS, Indore | Consolation III |
| C | 3 & 4 | Vipul Jadhav | AECS-1, Hyderabad | I |
| | | Anu Kumari | AECS-3, Rawatbhata | II |
| | | Gopal Lal Bhil | AECS-1, Tarapur | II |
| | | Alisha Parveen | AECS-1, Kalpakkam | III |
| | | Tuna Majhi | AECS, Narwapahar | Consolation I |
| | | Alakh Rathore | AECS, Indore | Consolation II |
| | | Swati Dubey | AECS, Indore | Consolation III |
| D | 5 & 6 | Chinmay M. Oshimath | AECS, Kaiga | I |
| | | Dona Mathew | AECS, Kudankulam | II |
| | | Kajal Choudhary | AECS, Indore | III |
| | | Akshit Vashistha | AECS-1, Tarapur | Consolation |
| | | Toshar Tolat | AECS, Kakrapar | Consolation II |
| | | R. Sai Arpita | AECS-1, Hyderabad | Consolation III |
| E | 7 & 8 | Akshar Bhatnagar | AECS, Indore | I |
| | | G. Annapurni Supriya | AECS-2, Kalpakkam | II |
| | | Harish Kumar | AECS, Narora | III |
| | | Aditi Maheshwari | AECS-2, Rawatbhata | III |
| | | Aprajita Rathore | AECS-4, Rawatbhata | Consolation I |
| | | Mudit Sharma | AECS, Narora | Consolation II |
| | | Monika Jangir | AECS-4, Rawatbhata | Consolation III |

| | | | | |
|---|---------|-------------------------|--------------------|------------------------|
| F | 9 & 10 | Dipika Pandey | AECS, Indore | I |
| | | Pragam M Gandhi | AECS, Indore | II |
| | | Atul Ovel | AECS-5, Mumbai | III |
| | | Manshi Mahle | AECS-3, Tarapur | Consolation |
| | | Kripa Sharma | AECS, Narora | Consolation II |
| | | Ayush Tanwar | AECS-2, Rawatbhata | Consolation III |
| G | 11 & 12 | P. Rohit Kumar | AECS-1, Hyderabad | I |
| | | R. Ankita | AECS-2, Kalpakkam | II |
| | | Prashanth Muthuswamy | AECS-1, Tarapur | III |
| | | Ankur Soni | AECS-4, Rawatbhata | Consolation I |
| | | S. Karthik | AECS-3, Tarapur | Consolation II |

7. LIBRARY ENRICHMENT PROGRAMME

The Library Enrichment Programme has been de-centralised and the schools have been entrusted with the responsibility of selecting and purchasing books to enrich their individual libraries from the PUVVN funds available with them. At present classroom libraries are functioning in almost all the schools.

8. NEW INITIATIVES BY AEES

ASTER

Through Satellite and IT- Enabled Education (SITE), a major component of the ASTER project, AEES seeks to harness the tremendous potential of the multimedia to enhance the quality of education through e-learning. Starting with a studio and Hub in Mumbai, all the AEC schools are connected through satellite so as to have both non-interactive and interactive network. AEES has been allotted a separate bandwidth in the extended C-band by the Indian Space Research Organization (ISRO) which has a dedicated satellite in the field of education and ISRO is providing the technical support for satellite connectivity. AEES has procured the Hub and Satellite Interactive Terminals (SITs) from M/s Hughes Communication India Ltd, an ISRO-approved vendor. Multimedia rooms are set up at every school.



ASTER studio

The functionality of the ASTER studio and the connectivity to all the centres was established successfully. At present, lectures are being transmitted through ASTER and the DVDs of the lectures of the teachers of AEES are being developed for the students of Classes IX and XI. In addition to the above, DVDs of National Geographic, Discovery Channel and other CDs of educational relevance are being relayed during morning hours.

The Republic Day Celebrations

The Republic Day was celebrated jointly by all the schools and Junior College of Mumbai on 26-01-2010 at AEJC playground, Mumbai. Dr R. K. Sinha, Director, RD & DG, BARC was invited as the Chief Guest of the function. All India Toppers of AEES from Classes I to X were felicitated during this occasion with mementos and cash prizes.

On this occasion, Dr. Homi Bhabha Rolling Trophies for the best performing School and Junior College for the year 2008-2009 were distributed to AECS-4, Mumbai & AEJC, Mumbai, respectively and the Dr. Vikram Sarabhai Rolling Trophies for the Most Progressive School and Junior College for the year 2008-2009 were given to AECS, Indore & AECS, Kakrapar, respectively.

Annual Day Celebrations

Annual Day was celebrated in all schools with pomp and pride and a cornucopia of various cultural activities followed by prize distribution. Prizes were distributed to the winners of various competitions such as essay-writing, story-telling, rangoli, singing, dance, drama, debate, elocution, recitation, drawing, poetry writing, etc. The students were guided by their able and enthusiastic house-masters in all the co-curricular activities.

Seminar on ‘The Art of Parenting’

AEES was very keen on providing a forum that could focus on resolving the dilemma of parents about right parenting. AEES conducted a seminar on ‘The Art of Parenting’ in collaboration with the Institute of Psychological Health, supported by the medical fraternity of BARC Hospital on 10-04-2010. The conference was inaugurated by Dr. Srikumar Banerjee, Chairman, AEC & Secretary, DAE, Govt. of India. This endeavour was aimed at reaching out to the parental community to help them better understand the children and ensure them better future. Parents need training. Not because they are incapable, but because parenting is no longer simple. Mutual trust and respect between parents and children goes a long way in building a healthy relationship. The cordiality and the dedication of the resource team had the enlightened audiences sharing their fears and doubts in the panel discussion, wherein they voiced their apprehensions about various ill adjustments in their day-to-day lives and sought corrective measures to balance their hectic mechanical lives with good parenting.

Faculty Improvement Programme

AEES launched the Faculty Improvement Programme under the XI Plan to foster the professional development of its staff members through on-going training programmes. As a part of the Faculty Improvement Programme, 2 Principals and 16 Vice-Principals (I/c) attended the training programme on Project management at the ATI, V S Bhavan, Anushaktinagar, Mumbai from 3rd to 7th of May, 2010.

An orientation cum training programme was held between 12th and 16th of July, 2010 for some new Principals, Vice-Principals & HMs (12 participants) who have joined the system after October/November, 2007 at National Institute of Administrative Research (NIAR), Lal Bahadur Shastri National Academy of Administration (LBSNAA), Mussorie, Uttaranchal.

An orientation programme was organized for the PETs of all AEC schools and Junior colleges at Kaivalyadhama, Lonavla from 14-06-2010 to 20-06-2010. Around 25 PETs participated in the programme. The programme was tailor-made to suit the training of the PETs so that they can implement and conduct the yoga practices at the schools for the benefit of students. The meditation sessions were interspersed with the Yoga sessions. The Content included subjects such as Anatomy & Physiology of human body, Mental health and its importance, Principles of Yogic Science, Naturopathy and Natural living etc. The training imparted during the programme will enable the PETs to further train their students deftly. Twenty five PETs were rejuvenated by an influx of invigorating sessions during the programme.

MS in Educational System Management through BITS, Pilani

Under Faculty Improvement Programme, AEES sponsors its staff for MS in Educational System Management at BITS, Pilani. First batch of 19 candidates was started in May, 2008. The final semester consisted of submission of dissertations by each candidate on topics related to education. Viva-voce was held on 10th and 11th of May, 2010 at AEES. All the candidates completed the course successfully.

The written test to select suitable candidates from AEES for admission of the 2nd batch to MS in Educational System Management through BITS, Pilani was conducted on 21st of November, 2009. The second batch of 22 candidates was started in December, 2009. Their second contact programme was held in May, 2010 at BITS, Pilani. All the 22 candidates were present for the contact programme.

UKIERI

Six schools from Anushaktinagar, Mumbai and three schools from Jaduguda centre, two schools from Hyderabad Centre and one school from Manuguru are part of UKIERI programme. These schools have partnership schools in Derbyshire and Durham, UK.

Under this programme, four teachers from UK visited AEC Schools, Mumbai in July, 2009 and four UK teachers visited Hyderabad and Manuguru in February, 2010. As a reciprocal visit, four Headmasters and Headmistresses of AEC Schools in Mumbai visited Derbyshire schools in December, 2009 and four teachers from Hyderabad cluster are going to visit Durhan schools in July, 2010.

As a part of this initiative, the best practices of the partner schools are shared among themselves in terms of content, delivery, transaction of curriculum, testing and evaluation, training programmes etc. In addition to it, a common project template is prepared by the cluster schools.

Student Exchange Programme

The student exchange programme is an effort to reach out to students of other schools outside India of International repute to facilitate a healthy exchange of ideas and cultures in a conducive atmosphere which will ultimately help in developing the personality of our students. AEES has tie-up with Global Indian Foundation which runs Global Indian International Schools in more than seven countries. 15 students who were the toppers in the Class X Board Examination, 2009 from all AEC Schools visited the Global Indian International Schools at Singapore as a part of the student exchange programme during 19th to 25th April, 2010. The students were escorted by two teachers, a Principal and Secretary, AEES.

During the programme, three Global Indian International Schools at East Coast, Balestion and Qusens town campus were visited. At East Coast campus, the visit started with the school assembly that included the Sarwa Dharma Prarthana with prayers of all religions. The students of AEES presented a song. Secretary, AEES addressed the assembly. Later, the students visited the classes and labs there.

The Balastin Campus school runs only up to primary classes. Various methodologies of teachers and their teaching aids were showcased. The Qusens town campus runs up to senior secondary classes. Students interacted with their counterparts there. Out of four students who went there from India on scholarship sponsored by GIIS, two were from Mumbai. Secretary, AEES addressed the staff and students highlighting the best practices undertaken by AEES. The exchange programme also included visits to United World College of South East Asia, Universal Studio, Sentosa Island, Singapore Science Centre, Singapore Zoo and Orchid Garden.

Science Parks

To create and sustain the interest of students in science, AEES planned to set up Science Parks in all the AEC schools in a phased manner. The first Science Park has been set up at AECS-2, Hyderabad and the second Science Park is being set up at AECS, Kaiga. The process of setting up another science park at AECS, Turamdih has been initiated. The Science Parks will enable the students to operate the installed gadgets and learn the principles of science practically with better understanding.

9. INFRASTRUCTURE

The following proposals have been approved during the year.

| S N | School |
|-----|---|
| 1. | Expansion of AECS-Mysore |
| 2. | Renovation of toilets at AECS-3, Rawatbhata |
| 3. | Renovation of tiffin area at AEES, Central Office |
| 4. | Renovation works at AECS-3 & AEJC, Mumbai |
| 5. | Conference Room at the Central Office |
| 6. | Acoustics treatment of the ASTER Studio |
| 7. | Electrification of the ASTER Studio |
| 8. | Equipment for the ASTER Studio |
| 9. | Basketball court at Jaduguda-2 |

10. OUTREACH TO OTHER SCHOOLS

The broad vision of AEES has made it a committed supporter of special schools and rehabilitation centres for the differently abled. AEES provides financial assistance by sanctioning grant-in aid of Rs.7.50 lakhs to Sausheelya (Society for Care, Treatment and Training of Mentally Handicapped Children) at Anushaktinagar, Rs.3.25 lakhs to MEHATVA at Kalpakkam and Rs.80, 000 to the special school run at AECS, Indore which cater to the needs of mentally challenged children.

AEES is also focusing on 'Community Schooling' and is providing materialistic help to the underprivileged students of neighbouring schools.

10. AEES ANNUAL PRINCIPALS' CONFERENCE

The AEES Annual Principal's Conference was held from 12th to 14th of November, 2009 at AECS-2, Rawatbhata. Vice-Principals with independent charge also attended the conference. The agenda of the conference covered the academic and non-academic developments of the students. The All India Inter AECS Art Competition was also held at AECS-2, Rawatbhata during the same time.

Dr S. K. Kulshreshtha, Chairman, AEES while addressing the Principals as the custodians of the educational system, impressed upon the gathering that AEES has projected an articulated vision to provide a challenging environment that would foster all-round development in students. Therefore, it is of paramount duty of AEC Schools and Junior Colleges to stand up to such challenges. The deliberations and discussions that had taken place in the conference would definitely generate challenging action plans to achieve the cherished goals of AEES to provide quality education to the students.

12. ROLLING TROPHY

The Atomic Energy Education Society has instituted the Dr. Homi Bhabha 'Rolling Trophy' for the best AEC School and the best Junior college/Sr.secondary school for proficiency in academics and Dr. Vikram Sarabhai 'Rolling Trophy' for the most progressive school and junior college in an academic year. The following AEC Schools and Junior colleges won trophies for their outstanding performance in the year 2008 – 2009.

Dr. Homi Bhabha Rolling Trophy

AECS-4, Mumbai – Best overall performance in the academic year 2008-2009
AEJC, Mumbai - Best overall performance in the academic year 2008-2009

Dr. Vikram Sarabhai Rolling Trophy

AECS, Kakrapar – Most progressive junior college of the AEES
AECS, Indore – Most progressive school of the AEES

13. AWARDS & STAFF ACHIEVEMENTS

The national award to teachers for the year 2009-10 has been conferred on two staff members of AEES – Smt Surbhi Pandey, PRT (SS), AECS-3, Rawatbhata and Shri Ramesh Chand, TGT (Hindi), AECS-4, Mumbai.

Smt Nancy D' Souza of AECS-1, Mumbai and Smt. D.V.S. Padmalata of AECS-3, Mumbai won the Abha Goswami Memorial Award for the best primary teacher among Atomic Energy Central Schools, Mumbai for the year 2008-2009. Smt Neelam Mehta of AECS-1, Mumbai won the Abha Goswami Memorial Award for the best primary teacher among Atomic Energy Central Schools, Mumbai for the year 2009-2010.

14. UPGRADATION OF AEC SCHOOLS

Three of our schools, AECS - 4, Mumbai, AECS-3, Tarapur and AECS, Mysore have been granted permission by the CBSE to start Class XII from the academic year 2010-11. AECS, Turamdih and AECS-6, Mumbai have been recognized by CBSE for the X board examination.

14. ACKNOWLEDGEMENT

AEES is thankful to the Department of Atomic Energy and all its constituent units for their support in administering the schools at 15 different places. The guidance provided by the governing council in formulating new plans for improving the standards of our schools is gratefully acknowledged. AEES also thanks the members of the Local Managing Committee (LMC) and School Advisory Committee (SAC) of every school for their guidance and support. AEES is grateful to the Homi Bhabha Centre for Science Education for helping in the conduct of the enrichment programmes for the teachers and students. AEES also thanks the DAE Sports and Cultural Council for organizing sports coaching camps for the students.

AEES puts on record its gratitude to all the organizations and individuals for instituting scholarships and awards for academic proficiency and overall excellence.

ATOMIC ENERGY EDUCATION SOCIETY
Anushaktinagar, Mumbai 400 094

Pass Percentage and Excellence Index (Class X) from 2008 to 2010

| SR. NO | NAME OF CENTRE | YEAR | NO. APPEARED | NO. PASSED | PASS % | EXCELLENCE INDEX | REMARKS | |
|--------|------------------------|-------------|--------------|------------|---------------|------------------|----------|----------|
| | | | | | | | C / EIOP | F |
| 1 | AECS - 1 Mumbai | 2010 | 104 | 104 | 100.00 | 87.50 | 0 | 0 |
| | | 2009 | 112 | 111 | 99.11 | 83.92 | 1 | 0 |
| | | 2008 | 89 | 89 | 100.00 | 94.40 | 0 | 0 |
| 2 | AECS - 2 Mumbai | 2010 | 111 | 110 | 99.10 | 93.69 | 1 | 0 |
| | | 2009 | 111 | 110 | 99.10 | 92.79 | 0 | 1 |
| | | 2008 | 114 | 114 | 100.00 | 92.10 | 0 | 0 |
| 3 | AECS - 3 Mumbai | 2010 | 118 | 114 | 96.61 | 81.36 | 4 | 0 |
| | | 2009 | 108 | 106 | 98.15 | 82.40 | 2 | 0 |
| | | 2008 | 111 | 111 | 100.00 | 81.08 | 0 | 0 |
| 4 | AECS - 4 Mumbai | 2010 | 79 | 79 | 100.00 | 94.94 | 0 | 0 |
| | | 2009 | 73 | 73 | 100.00 | 97.26 | 0 | 0 |
| | | 2008 | 70 | 69 | 98.57 | 94.28 | 1 | 0 |
| 5 | AECS - 5 Mumbai | 2010 | 79 | 79 | 100.00 | 70.89 | 0 | 0 |
| | | 2009 | 58 | 58 | 100.00 | 82.75 | 0 | 0 |
| | | 2008 | 54 | 54 | 100.00 | 88.90 | 0 | 0 |
| 6 | AECS - 1 Tarapur | 2010 | 58 | 58 | 100.00 | 91.38 | 0 | 0 |
| | | 2009 | 51 | 51 | 100.00 | 78.43 | 0 | 0 |
| | | 2008 | 52 | 52 | 100.00 | 73.08 | 0 | 0 |
| 7 | AECS -2 Tarapur | 2010 | 61 | 61 | 100.00 | 95.08 | 0 | 0 |
| | | 2009 | 58 | 58 | 100.00 | 93.10 | 0 | 0 |
| | | 2008 | 62 | 62 | 100.00 | 90.30 | 0 | 0 |
| 8 | AECS - 3 Tarapur | 2010 | 49 | 49 | 100.00 | 89.80 | 0 | 0 |
| | | 2009 | 43 | 43 | 100.00 | 72.09 | 0 | 0 |
| | | 2008 | 61 | 60 | 98.36 | 75.41 | 1 | 0 |
| 9 | AECS - 2 Rawatbhata | 2010 | 99 | 99 | 100.00 | 90.91 | 0 | 0 |
| | | 2009 | 102 | 102 | 100.00 | 80.39 | 0 | 0 |
| | | 2008 | 79 | 79 | 100.00 | 87.34 | 0 | 0 |

| SR. NO | NAME OF CENTRE | YEAR | NO. APPEARED | NO. PASSED | PASS % | EXCELLENCE INDEX | REMARKS | |
|--------|-------------------------|-------------|--------------|------------|---------------|------------------|----------|----------|
| | | | | | | | C / EIOP | F |
| 10 | AECS - 3 Rawatbhata | 2010 | 59 | 58 | 98.31 | 54.24 | 1 | 0 |
| | | 2009 | 58 | 46 | 79.31 | 34.48 | 12 | 0 |
| | | 2008 | 57 | 48 | 84.21 | 31.58 | 8 | 1 |
| 11 | AECS - 4 Rawatbhata | 2010 | 88 | 88 | 100.00 | 82.95 | 0 | 0 |
| | | 2009 | 102 | 101 | 99.02 | 79.41 | 1 | 0 |
| | | 2008 | 109 | 108 | 99.08 | 83.49 | 1 | 0 |
| 12 | AECS Narora | 2010 | 96 | 96 | 100.00 | 87.50 | 0 | 0 |
| | | 2009 | 95 | 95 | 100.00 | 86.32 | 0 | 0 |
| | | 2008 | 110 | 110 | 100.00 | 83.63 | 0 | 0 |
| 13 | AECS -1 Hyderabad | 2010 | 94 | 92 | 97.87 | 79.79 | 2 | 0 |
| | | 2009 | 53 | 53 | 100.00 | 83.02 | 0 | 0 |
| | | 2008 | 70 | 69 | 98.57 | 78.50 | 1 | 0 |
| 14 | AECS - 2 Hyderabad | 2010 | 72 | 72 | 100.00 | 80.56 | 0 | 0 |
| | | 2009 | 89 | 89 | 100.00 | 83.15 | 0 | 0 |
| | | 2008 | 87 | 87 | 100.00 | 74.70 | 0 | 0 |
| 15 | AECS -1 Kalpakkam | 2010 | 56 | 56 | 100.00 | 62.50 | 0 | 0 |
| | | 2009 | 59 | 59 | 100.00 | 74.58 | 0 | 0 |
| | | 2008 | 60 | 60 | 100.00 | 81.67 | 0 | 0 |
| 16 | AECS-2 Kalpakkam | 2010 | 67 | 67 | 100.00 | 88.06 | 0 | 0 |
| | | 2009 | 55 | 55 | 100.00 | 92.73 | 0 | 0 |
| | | 2008 | 51 | 51 | 100.00 | 90.19 | 0 | 0 |
| 17 | AECS Anupuram | 2010 | 46 | 46 | 100.00 | 89.13 | 0 | 0 |
| | | 2009 | 41 | 41 | 100.00 | 87.80 | 0 | 0 |
| | | 2008 | 40 | 40 | 100.00 | 85.00 | 0 | 0 |
| 18 | AECS - 1 Jaduguda | 2010 | 107 | 107 | 100.00 | 87.85 | 0 | 0 |
| | | 2009 | 87 | 87 | 100.00 | 86.20 | 0 | 0 |
| | | 2008 | 92 | 89 | 96.74 | 69.70 | 2 | 1 |
| 19 | AECS - 2 Jaduguda | 2010 | 36 | 34 | 94.44 | 61.11 | 2 | 0 |
| | | 2009 | 30 | 29 | 96.67 | 66.67 | 1 | 0 |
| | | 2008 | 43 | 42 | 97.67 | 39.54 | 1 | 0 |
| 20 | AECS - EM Narwapahar | 2010 | 60 | 60 | 100.00 | 88.33 | 0 | 0 |
| | | 2009 | 56 | 56 | 100.00 | 82.14 | 0 | 0 |
| | | 2008 | 44 | 44 | 100.00 | 86.36 | 0 | 0 |

| SR. NO | NAME OF CENTRE | YEAR | NO. APPEARED | NO. PASSED | PASS % | EXCELLENCE INDEX | REMARKS | |
|----------|----------------------|-------------|--------------|-------------|---------------|------------------|-----------|----------|
| | | | | | | | C / EIOP | F |
| 21 | AECS - HM Narwapahar | 2010 | 14 | 14 | 100.00 | 78.57 | 0 | 0 |
| | | 2009 | 18 | 18 | 100.00 | 66.66 | 0 | 0 |
| | | 2008 | 20 | 20 | 100.00 | 80.00 | 0 | 0 |
| 22 | AECS Oscom | 2010 | 28 | 28 | 100.00 | 92.86 | 0 | 0 |
| | | 2009 | 24 | 24 | 100.00 | 87.50 | 0 | 0 |
| | | 2008 | 22 | 22 | 100.00 | 72.70 | 0 | 0 |
| 23 | AECS Kakrapar | 2010 | 109 | 108 | 99.08 | 83.49 | 1 | 0 |
| | | 2009 | 104 | 102 | 98.07 | 71.15 | 2 | 0 |
| | | 2008 | 77 | 76 | 98.70 | 75.32 | 1 | 0 |
| 24 | AECS Indore | 2010 | 71 | 71 | 100.00 | 88.73 | 0 | 0 |
| | | 2009 | 80 | 80 | 100.00 | 88.75 | 0 | 0 |
| | | 2008 | 87 | 85 | 97.70 | 86.20 | 2 | 0 |
| 25 | AECS Manuguru | 2010 | 77 | 77 | 100.00 | 94.81 | 0 | 0 |
| | | 2009 | 95 | 95 | 100.00 | 93.68 | 0 | 0 |
| | | 2008 | 84 | 84 | 100.00 | 88.09 | 0 | 0 |
| 26 | AECS Kaiga | 2010 | 88 | 88 | 100.00 | 86.36 | 0 | 0 |
| | | 2009 | 81 | 81 | 100.00 | 93.83 | 0 | 0 |
| | | 2008 | 63 | 63 | 100.00 | 88.89 | 0 | 0 |
| 27 | AECS Mysore | 2010 | 64 | 64 | 100.00 | 95.31 | 0 | 0 |
| | | 2009 | 69 | 69 | 100.00 | 98.55 | 0 | 0 |
| | | 2008 | 43 | 43 | 100.00 | 97.67 | 0 | 0 |
| 28 | AECS Kudankulam | 2010 | 29 | 29 | 100.00 | 96.55 | 0 | 0 |
| | | 2009 | 19 | 19 | 100.00 | 89.47 | 0 | 0 |
| | | 2008 | 21 | 21 | 100.00 | 90.48 | 0 | 0 |
| OVER ALL | | 2010 | 2019 | 2008 | 99.46 | 85.29 | 11 | 0 |
| | | 2009 | 1931 | 1911 | 98.96 | 83.53 | 19 | 1 |
| | | 2008 | 1872 | 1852 | 98.93 | 81.04 | 18 | 2 |

ATOMIC ENERGY EDUCATION SOCIETY

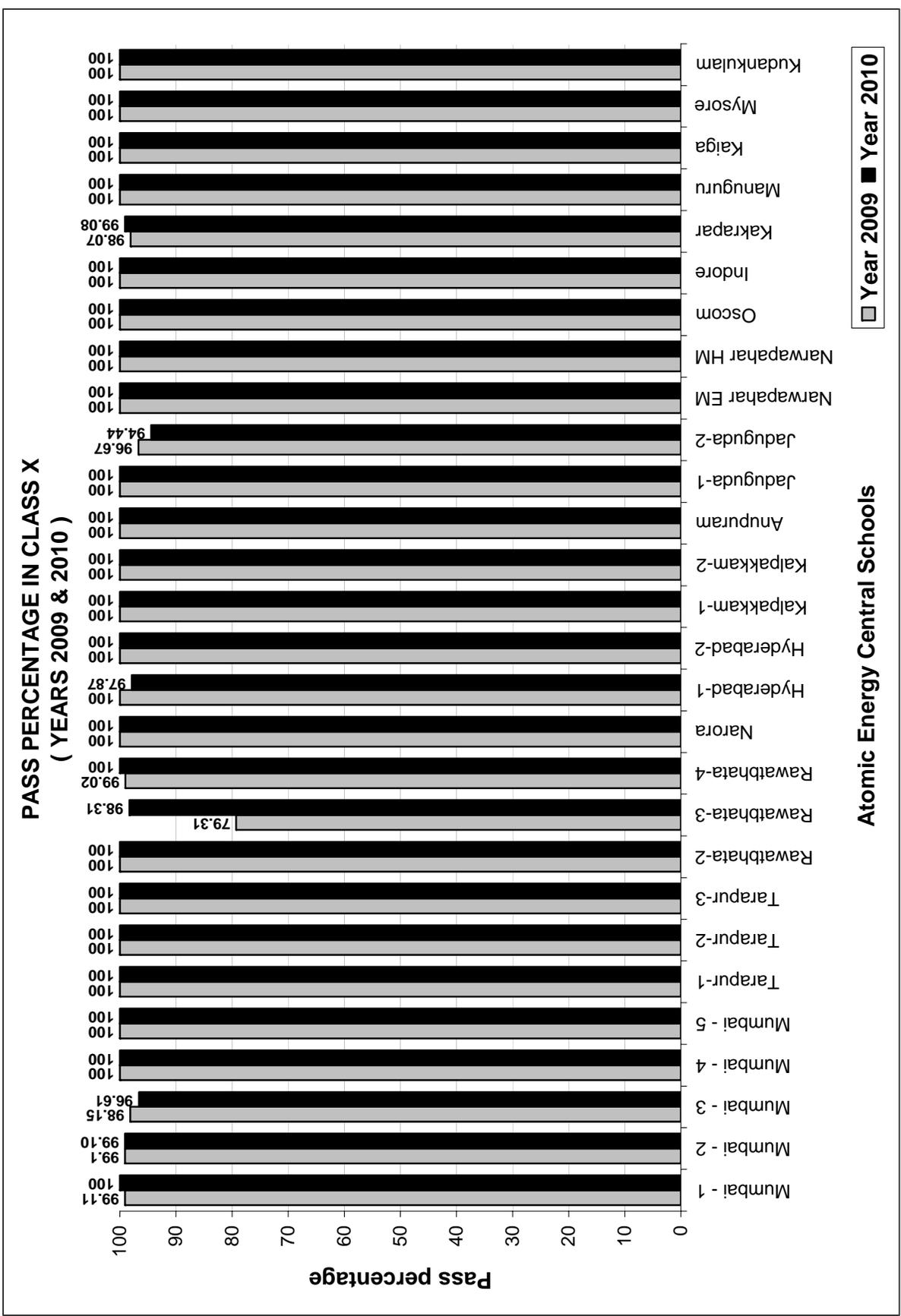
Anushaktinagar, Mumbai 400 094

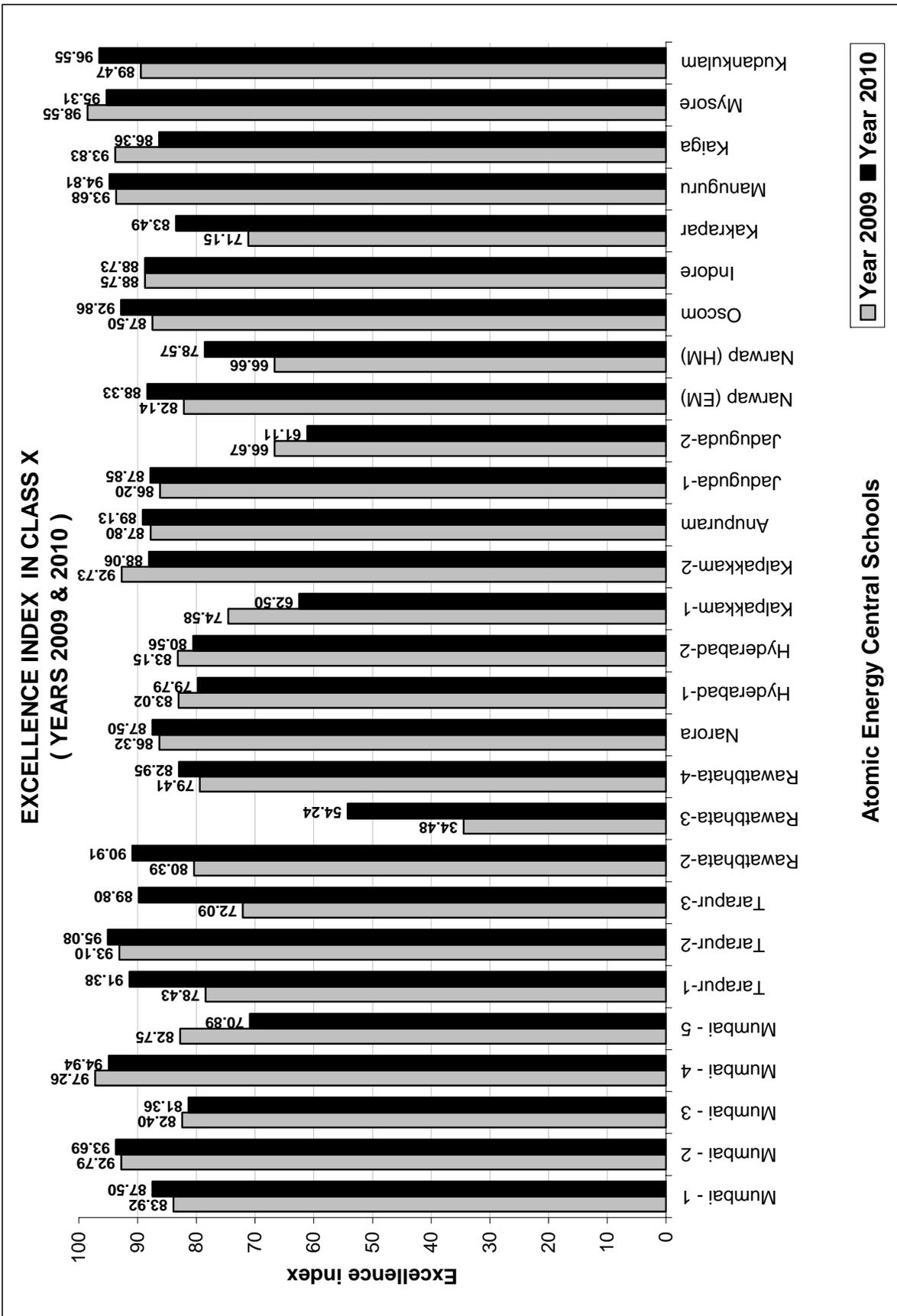
Pass Percentage and Excellence Index (Class XII) from 2008 to 2010

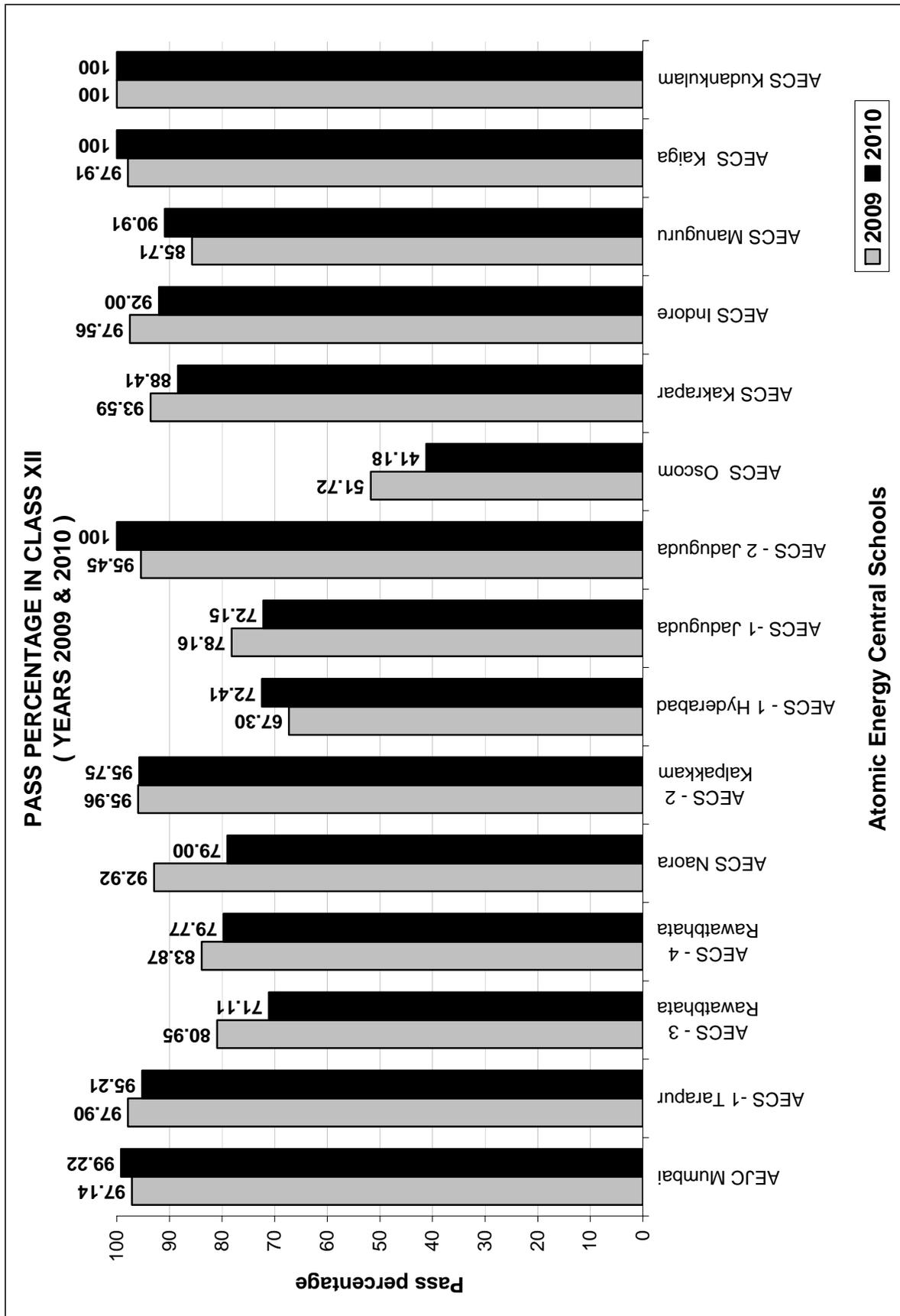
| SR. NO | NAME OF CENTRE | YEAR | NO. APPEARED | NO. PASSED | PASS % | EXCELLENCE INDEX | REMARKS | |
|--------|------------------------|-------------|--------------|------------|--------------|------------------|-----------|-----------|
| | | | | | | | C | F |
| 1 | AEJC Mumbai | 2010 | 514 | 510 | 99.22 | 71.6 | 0 | 4 |
| | | 2009 | 525 | 510 | 97.14 | 70.1 | 15 | 0 |
| | | 2008 | 524 | 522 | 99.62 | 82.63 | 2 | 0 |
| 2 | AECS – 1 Tarapur | 2010 | 167 | 159 | 95.21 | 68.86 | 0 | 8 |
| | | 2009 | 143 | 140 | 97.9 | 66.43 | 3 | 0 |
| | | 2008 | 163 | 163 | 100 | 88.34 | 0 | 0 |
| 3 | AECS – 3 Rawatbhata | 2010 | 45 | 32 | 71.11 | 24.44 | 11 | 2 |
| | | 2009 | 42 | 34 | 80.95 | 28.57 | 2 | 6 |
| | | 2008 | 32 | 23 | 71.88 | 28.13 | 3 | 6 |
| 4 | AECS – 4 Rawatbhata | 2010 | 173 | 138 | 79.77 | 66.47 | 24 | 11 |
| | | 2009 | 186 | 156 | 83.87 | 70.97 | 14 | 16 |
| | | 2008 | 189 | 153 | 80.95 | 61.9 | 13 | 23 |
| 5 | AECS Naora | 2010 | 100 | 79 | 79 | 50 | 6 | 15 |
| | | 2009 | 99 | 92 | 92.92 | 74.74 | 2 | 5 |
| | | 2008 | 106 | 98 | 92.45 | 66.98 | 1 | 7 |
| 6 | AECS – 2 Kalpakkam | 2010 | 212 | 203 | 95.75 | 85.85 | 9 | 0 |
| | | 2009 | 223 | 214 | 95.96 | 86.55 | 0 | 9 |
| | | 2008 | 178 | 173 | 97.2 | 84.83 | 0 | 5 |
| 7 | AECS – 1 Hyderabad | 2010 | 87 | 63 | 72.41 | 55.17 | 24 | 0 |
| | | 2009 | 104 | 70 | 67.3 | 61.53 | 34 | 0 |
| | | 2008 | 85 | 72 | 84.7 | 76.47 | 13 | 0 |
| 8 | AECS – 1 Jaduguda | 2010 | 158 | 114 | 72.15 | 42.41 | 30 | 14 |
| | | 2009 | 142 | 111 | 78.16 | 61.97 | 31 | 0 |
| | | 2008 | 110 | 91 | 82.72 | 61.81 | 2 | 17 |
| 9 | AECS – 2 Jaduguda | 2010 | 14 | 14 | 100 | 92.86 | 0 | 0 |
| | | 2009 | 22 | 21 | 95.45 | 81.82 | 0 | 1 |
| | | 2008 | 20 | 17 | 85 | 55 | 0 | 3 |
| 10 | AECS Oscom | 2010 | 17 | 7 | 41.18 | 29.41 | 3 | 7 |
| | | 2009 | 29 | 15 | 51.72 | 37.93 | 7 | 7 |

| SR. NO | NAME OF CENTRE | YEAR | NO. APPEARED | NO. PASSED | PASS % | EXCELLENCE INDEX | REMARKS | |
|---------|-----------------|-------------|--------------|-------------|--------------|------------------|------------|-----------|
| | | | | | | | C | F |
| 11 | AECS Kakrapar | 2010 | 69 | 61 | 88.41 | 65.22 | 7 | 1 |
| | | 2009 | 78 | 73 | 93.59 | 73.08 | 1 | 4 |
| | | 2008 | 62 | 51 | 82.25 | 67.3 | 4 | 7 |
| 12 | AECS Indore | 2010 | 75 | 69 | 92 | 61.33 | 2 | 4 |
| | | 2009 | 41 | 40 | 97.56 | 73.17 | 1 | 0 |
| | | 2008 | 56 | 54 | 96.42 | 92.86 | 0 | 2 |
| 13 | AECS Manuguru | 2010 | 11 | 10 | 90.91 | 72.73 | 0 | 1 |
| | | 2009 | 28 | 24 | 85.71 | 82.14 | 4 | 0 |
| | | 2008 | 18 | 15 | 83.33 | 77.77 | 3 | 0 |
| 14 | AECS Kaiga | 2010 | 41 | 41 | 100 | 92.68 | 0 | 0 |
| | | 2009 | 48 | 47 | 97.91 | 87.5 | 0 | 1 |
| | | 2008 | 39 | 39 | 100 | 94.87 | 0 | 0 |
| 15 | AECS Kudankulam | 2010 | 13 | 13 | 100 | 100 | 0 | 0 |
| | | 2009 | 6 | 6 | 100 | 83.33 | 0 | 0 |
| | | 2008 | 10 | 10 | 100 | 100 | 0 | 0 |
| Overall | | 2010 | 1696 | 1513 | 89.21 | 66.27 | 116 | 67 |
| | | 2009 | 1716 | 1553 | 90.5 | 70.63 | 114 | 49 |
| | | 2008 | 1592 | 1481 | 93.03 | 76.88 | 41 | 70 |

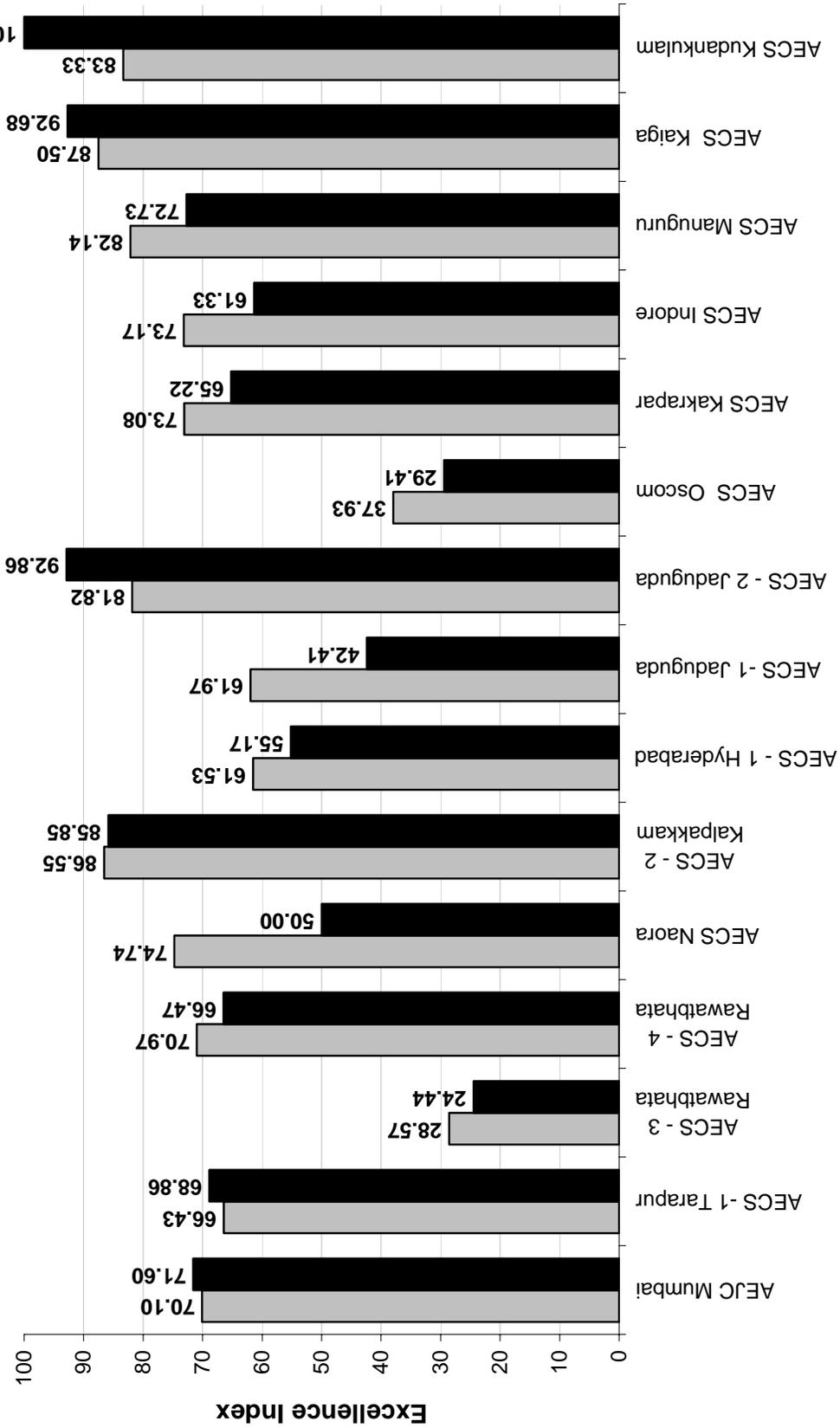
Note : AECS Oskom First Batch - 2009







**EXCELLENCE INDEX IN CLASS XII
(YEARS 2009 & 2010)**



■ 2009 ■ 2010

Atomic Energy Central Schools