



MHRD | Government of India
Ministry of Human Resource Development
सत्यमेव जयते

Shastri Bhawan, Dr. Rajendra Prasad Road, New Delhi - 110001



मानव संसाधन विकास मंत्रालय
Ministry of Human Resource Development



**4 YEARS
OF TRANSFORMING
EDUCATION IN INDIA**
2014-2018

सबको शिक्षा, अच्छी शिक्षा

Under the visionary leadership of Prime Minister Shri Narendra Modi, transformational changes have taken place in the education sector bringing in accessibility, quality, accountability, equity and affordability, alongwith a tremendous push for research and innovation.

Prakash Javadekar



Shri Prakash Javadekar
Minister of
Human Resource Development

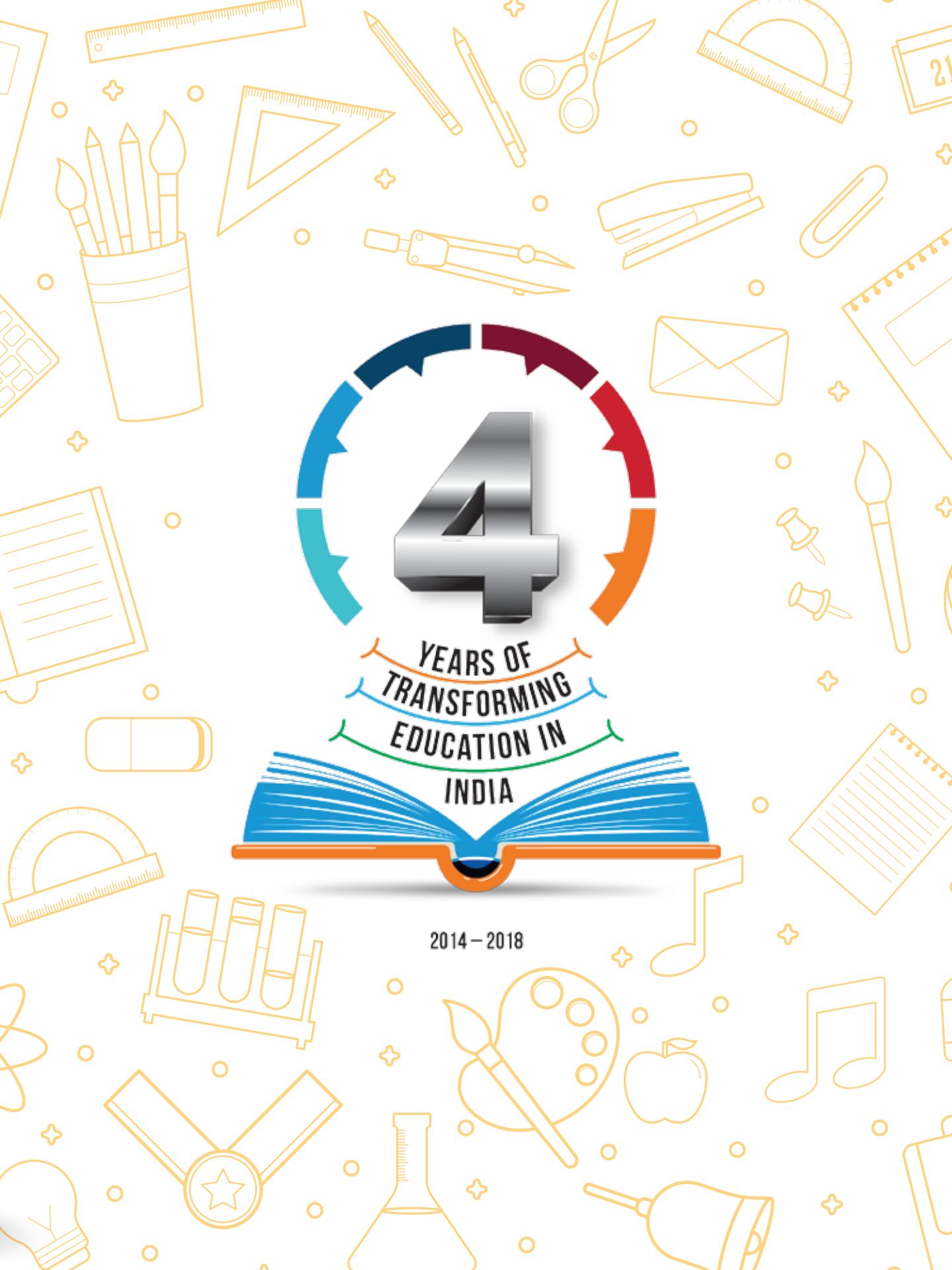


Dr. Satya Pal Singh
Minister of State for
Human Resource Development
(Higher Education)



Shri Upendra Kushwaha
Minister of State for
Human Resource Development
(School Education & Literacy)

सबको शिक्षा, अच्छी शिक्षा



Learning Outcomes

- Learning Outcomes were defined for the first time after the passage of Right to Education Act to benchmark capabilities which student must achieve.
- Learning Outcomes have been translated into all major Indian languages and teachers training has been conducted.
- This will bring in accountability of schools, teachers and students, as well as parents and will improve the quality of school education.



Expanse & Expansion

- **15.35 Lac schools, 26 crore students, 86.9 lac teachers.**
- **103 Kendriya Vidyalayas started.**
- **62 new Navodaya Vidyalayas.**



National Assessment Survey

www.mhrd.gov.in/NAS

- **World's largest National Assessment Survey** was conducted covering all the districts of the country.
- 22 lakh students of classes 3, 5 and 8 were assessed scientifically in one single day in November, 2017.
- Over 15 lakh students of class 10 were similarly assessed on a single day in February, 2018.
- District Report Card for levels 3, 5 and 8 prepared for each district and shared with all the stakeholders including CMs, MPs and officials.
- This will be a guide to assess school education and devise strategies for its improvement.



Teachers Training

www.nios.ac.in | www.swayam.gov.in

- Around 14 lakh unqualified teachers are enrolled for **Diploma in Elementary Education on "Swayam" platform** where they are receiving rigorous training and are tested every week on their learning achievements.
- This is the largest initiative of its kind in the world.
- These trained and better equipped teachers will improve the quality of primary education.

Change in no detention policy

- On demand from various States, a **Bill to amend RTE Act** was presented in Parliament which allows States to hold examination of students in classes 5 and 8.
- If a student fails in second attempt, he/she can be detained.
- This will ensure continued study by students and improve their performance under NAS.



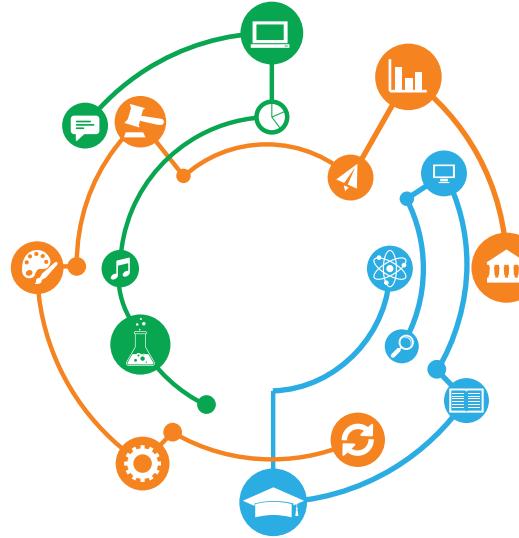
Rationalization of Syllabus

www.ncert.nic.in



- The purpose of education is to make good human beings and citizens. To achieve this, students need value education, experiential learning, life skills education, creative skills and physical education. Today there is no time available for all these activities as the burden of the syllabus on students is very heavy. Educationists also believe that rote learning is not education, rather, education is a combination of comprehension, communication and analytical abilities.

- **NCERT therefore decided to rationalize and reduce the burden of the syllabus** and invited specific suggestions from all stakeholders.
- The announcement evoked very good response from parents, educationists, teachers and other stakeholders.
- 37 thousand people have given their various inputs and suggestions which are under scrutiny.



Samagra Shiksha

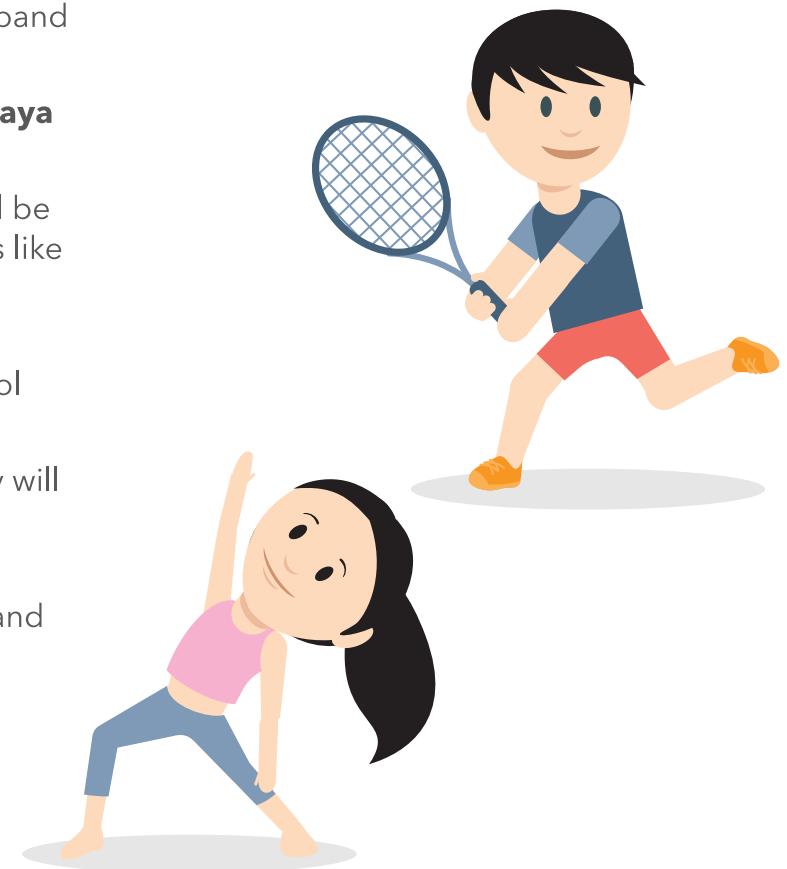
to Rs 34,000 crores in 2018-19 and to Rs 41,000 crores in 2019-20.

- **KGBV hostels** for rural under privileged girls which are available from 6th to 8th class will now be extended up to 12th class. Major expansion of 3,700 facilities will give uninterrupted education up to 12th class.
- Each school will be given an annual grant of Rs 5000-Rs 20,000 for library under "**Padhe Bharat - Badhe Bharat**", for Primary to Senior Secondary level.
- Each school will get annual grant of Rs 5000 to Rs 25,000 for purchase of sports equipment to support mission "**Khele India - Khile India**".





- **Composite grant will increase** from a band of Rs 14,000 - Rs 50,000 to band of Rs 25,000/- - Rs 1,00,000.
- A component of **Swachha Vidyalaya** is added in annual grant.
- A substantial financial support will be given to teacher training institutes like **SCERT, DIET, BRC** and **CRC**.
- Rs 6000 per student is granted as **transport allowance** where school rationalization is done.
- **Girls students in CSWN** category will get monthly stipend of Rs 200/-
- The **uniform expenditure** will be enhanced from Rs 400 to Rs 600 and **expenditure for books** will be enhanced from Rs 150/250 to Rs 250/400 per student for Primary / Upper Primary levels.



Atal Tinkering Labs

www.aim.gov.in/atal-tinkering-labs.php

- For building **innovative skills** in school students, 2,400 Atal Tinkering Labs are sanctioned at the cost of Rs 20 lakh each.
- **3D printing, Robotics and Artificial Intelligence** is made available in these labs.
- **First Olympiad** was organized of these labs where thousands of students presented their ideas and experiments.



Mid-Day Meal Scheme

www.mdm.nic.in

- **World's largest mid-day meal scheme** in schools is run in India where every day 95 million students are served fresh cooked food at 11.4 lakh schools at a cost of Rs. 17,000 crores per year.
- Union Government is further strengthening the program by granting more funds for cooking, transport and also for fortification of food.
- It has resulted in improvement in concentration levels and health parameters of students and their retention in schools.



Separate Toilets for Girl Students

- **A special campaign to build separate toilets for girl students** was taken up in a mission mode after Prime Minister's announcement. A total of 4 lakh 17 thousands toilets including 1.9 lakh girls toilets were provided within one year and special component of composite school grant under Samagra Shiksha has been earmarked for upkeep and maintenance of school toilets.
- This has resulted in reducing the drop out rate of girl students and more concentration in classrooms.

Students with special needs

- **54,000 ramps** and railings were built and **50,000 special toilets** for children with special needs have been erected.

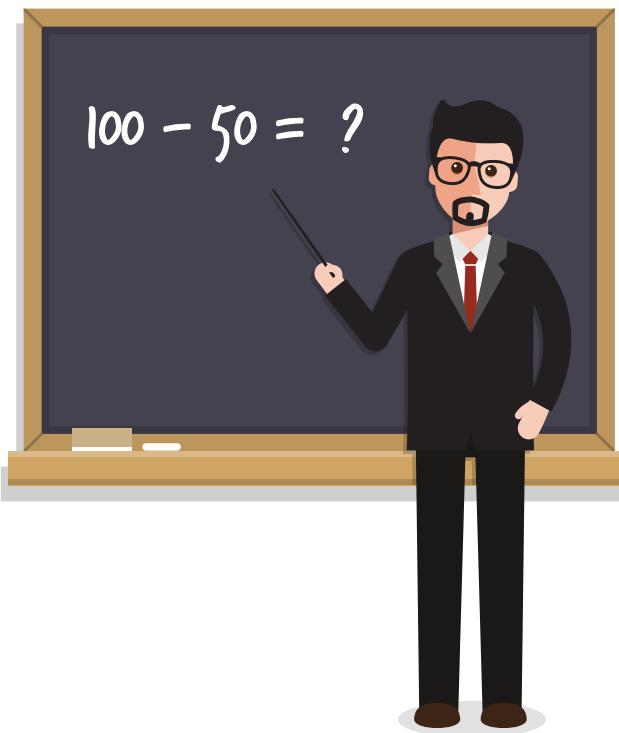


Digital Initiatives

- **Operation Digital Board:** 15 lakh classrooms from 9th standard to post graduate will get interactive digital board within 5 years where they can receive lectures from best teachers/professors and a short film on the topic.
- This will revolutionize the teaching learning experience. The classroom will become a flip class and teacher will interact more intensely with the students.
- This will enhance the overall learning process, grasping, retention and will make education more meaningful.
- The committee of experts is formed to provide the road map and ensure lowest prices (like what India achieved in LED bulbs) for digital boards.
- **Shagun (www.ssa.nic.in)** repository portal captures best practices from all States and UTs in the form of video case studies, images and testimonials. This has increased sharing and learning amongst States and UTs.



- **E-pathshaala** (www.epathshala.nic.in): NCERT books are available in digital version for free for anybody. 15 lakh students have downloaded e-pathshaala app and visits in one year has crossed 30 million mark.
- Increased grant for digital equipment in schools under **Samagra Shiksha**.
- **Diksha platform** (www.diksha.gov.in) for teachers enables capacity building of all categories of teachers. It will help over 50 lakh teachers in improving the quality of education. Teachers can upload their own material on the portal, which will also offer online courses, allow sharing of best content, monitor progress and introduce energized text books with QR code.



Integrated B.Ed.

- Like other professional courses, **4-year integrated** B.A., B.Ed. and B.Sc. B.Ed. will cater to students who want to become teachers. This reform was debated but never implemented.
- It is expected to start from academic session 2019-20.
- This will result in motivated teachers joining the system by choice, and will improve the overall teaching-learning experience.



Swachha Vidyalaya Puraskar

www.swachhvidyalaya.com



- The **Swachha Vidyalaya Puraskar** competition started from 2017. In the very first year more than 2.5 lakh government schools participated online. The schools were inspected for overall cleanliness, drinking water system, toilet and classroom cleanliness.
- This year 6 lakh public and private



- schools have participated in the competition.
- This has resulted in developing an enhanced sensibility about cleanliness among students, and this will go a long way in creating a "swachha" culture and ensuring that every student is encouraged to become a "swachhagrahi".



Ek Bharat - Shrestha Bharat

www.ekbharat.gov.in

- **Ek Bharat-Shrestha Bharat is an inter-ministerial initiative** implemented by concerned Ministries with a view to achieve unity and brotherhood among people of States and UTs.
- 35 States and UTs have been paired and they conduct various programs, exchanges and competitions so that people and particularly students from different States and UTs learn about the culture, festivities, food, customs, practices, literature and languages of other States.
- Hundreds of programs have taken place with participation of large number of people.
- Student to student exchanges, group



exchanges are also taking place. In this campaign, batches of students from J&K have visited Tamil Nadu and have mingled with local students.

- This has resulted in better knowledge and understanding of paired States among students, furthering the cause of National Integration.

HIGHER EDUCATION

Pariksha Par Charcha

In a unique initiative titled '**Pariksha Par Charcha**', the Prime Minister interacted with senior school and college students from all over the country on the subject of Examination Stress in February, 2018. The programme saw a very lively exchange of questions and views and was seen or heard by **almost 7 crore students** and viewers, making it perhaps one of the largest viewed programmes. The format of the event was in the Town Hall style and the freshness and spontaneity of the interaction appealed to many people not just in India but abroad also and this event therefore saw one of the highest viewshippers on social media also.



Number of Schools and Enrolment

The **number of schools** throughout the country has **increased** from approximately 14.9 lakhs in 2012-13 to 15.35 lakhs in 2016-17. The **enrolment rose** from 25.42 crores in 2012-13 to over 26 crores during 2015-16.



Expanse & Expansion

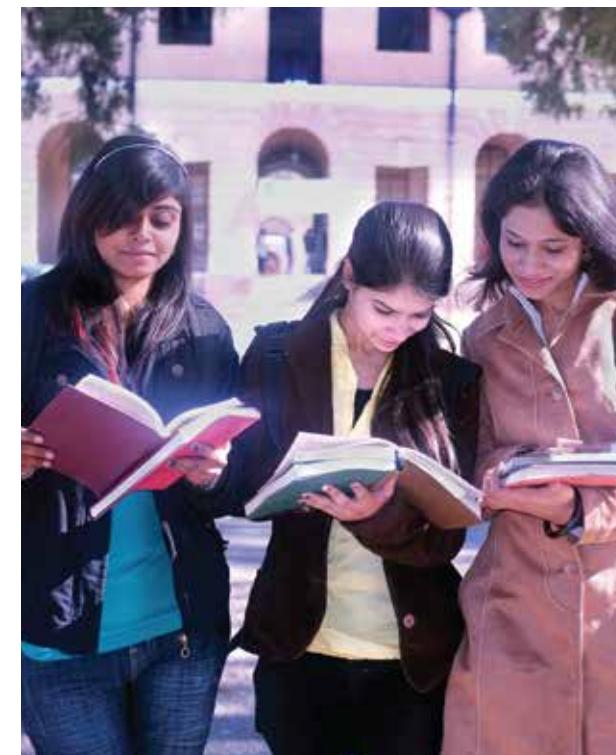
- **141 universities, 7 IITs, 7 IIMs, 14 IIITs and 1 NIT were established and have started functioning.**
- **Total of 864 universities, 42,000 colleges covering 3.7 crore students are operational.**



Budget and HEFA

www.hefa.co.in

- With introduction of a new model of financing educational infrastructure, the **Higher Education Finance Agency (HEFA)**, overall budget for education sector increased phenomenally. **HEFA** will provide finance to augment research and academic infrastructure in higher, school and medical education.
- **HEFA** will help educational institutions undertake greater number infrastructure projects, eliminate time & cost overruns, complete projects on time and provide quality facilities for both education and research in the country.
- It implemented under the initiative of **"Revitalising Infrastructure & Systems in Education (RISE) by 2022"**. HEFA will provide Rs 1,00,000 crore in next 4 years, as loan financing.
- Thus, the overall funding for education has increased from Rs. 65,867 crores in 2013-14 to Rs. 1,10,000 crore in 2018-19.
- The repayment of loans advanced to the institution would be repaid partly by the institution and partly by the Government.
- Financing educational infrastructure through **HEFA** would entail no extra cost to the students.



Autonomy



- Major reform in education was ensured by Modi government by **granting autonomy to quality institutes by passing IIM Bill** and by granting graded autonomy and effort to create 20 world class institutes.
- **IIM Bill** was passed in both Houses of Parliament granting complete freedom to Indian Institute of Managements to run the institute and excel in the world ranking without government interference and regulatory bottlenecks. This reform was discussed for a long time but was given effect last year.
- Rules for the Act are under making and will be implemented from July 2018.
- Government is finalizing selection of 20 institutes in a challenge mode which will be declared as "**Institutes of Eminence**". These institutes will be granted complete autonomy to excel and become world class universities (in first 500 rankings) in one decade. Institutes are being selected on the basis of their vision and action plan to achieve the target.
- **UGC has granted graded autonomy** to the top 60 higher educational institutions who have a NAAC score of 3.26 and above. Granting autonomy to expand and do experimentation in teaching-learning process, research methodologies to the quality institutes is well appreciated world over.
- Good colleges will be encouraged to become "**autonomous colleges**". It will grant academic freedom and more experimentation for raising the quality bar. Government's financial support to fully funded government colleges will continue even though the colleges opt to be autonomous.
- All the revolutionary steps to grant autonomy to quality institutes will help Indian institutes to gain recognition and ranking in the world rankings.



Finance for Quality Initiatives

- Modi government's emphasis has always remained at improving the quality of education at all levels. **RUSA, TEQUIP, GIAN, NIRF and NAAC reforms are major initiatives in this direction.**
- Under RUSA (www.rusa.nic.in)**, a large number of Universities (117) and Colleges (1250) have been given grants to improve the quality in teaching and research. **RUSA-II** has been approved under which the annual budget for quality improvement of the higher educational institutions in the State has been increased from Rs. 2,600 crore under **RUSA-I**, to Rs. 7101.72 crore for **RUSA-II**. 70 new model colleges are being sanctioned and 75 colleges will be upgraded essentially in 115 aspirational districts.

- Under **Scholarships and Fellowships**, this Government increased the amount of scholarships and fellowships awarded by UGC by 55%. Total amount disbursed during 2008-09 to 2013-14 was Rs. 2016.85 crores. As compared to this the total amount disbursed from 2014-15 to 2017-18 is Rs. 5162.93 crores. This Government also supported new scholarship/fellowship schemes for the North-Eastern region, promotion of research in Humanities including Languages and girl child fellowships. **5000 Students of J&K** are offered scholarships worth Rs. 1,30,000 – Rs. 4,00,000 annually which takes care of education, hostel and other expenditure. These students are selected on merit and given admission in best professional



colleges by creating a supernumerary quota. This has helped thousands of J&K students to get quality education.

- TEQUIP (www.npiu.nic.in/TEQIPIII)** is a quality improvement program in technical education. In phase III, hill states of J&K, Himachal and Uttarakhand, 8 North-eastern States, Andaman Nicobar, Rajasthan, Uttar Pradesh, Madhya Pradesh, Bihar, Odisha, Jharkhand and Assam will get Rs 2,600 crore over next 3 years. This will ensure bridging the regional gaps in technical education. **1200 IIT and NIT graduates have opted for 3 years teaching in educationally backward regions.** They have resumed their duties in 53 government engineering colleges where faculty vacancies were large. Thus 1,00,000 students get quality education which they were deprived of till today.
- GIAN (www.gian.iitkgp.ac.in)**: 700 professors from 58 countries have so far conducted 1,117 courses in specialised topics for students in Indian Higher Educational institutions. More than 40,000 students and associated Indian faculty has benefited from this international teaching exposure. In 2018-19, 800 professors from 60 countries are lined up to conduct various courses in different institutions. Majority of these courses are also recorded and are being uploaded on Swayam platform.
- NIRF, National Institutional Ranking Framework (www.nirfindia.org)** is a major initiative of Modi government where college and universities are ranked on their overall performance and quality. This is the third year of this initiative and more than 4,500 institutes have participated. This has become a benchmark of quality and creates competitive spirit among the institutes.
- NAAC reforms (www.naac.gov.in)** is a major achievement of Modi government. A paradigm shift in assessment and accreditation of higher educational institutes have been brought about. Process is made more transparent and IT enabled. 70 per cent of assessment is through data capture followed by third party validation.

Digital Initiatives



■ **Swayam, Swayam Prabha, National Digital Library, National Academic Depository and Wi-Fi campuses** are some of the digital initiatives which have succeeded in expanding the education canvas and improving the quality.

■ **SWAYAM (www.swayam.gov.in)** is propelled by India's indigenously developed MOOCs (Massive Open Online Courses). It is one integrated platform for interactive online courses. 1,032 courses are offered for students, teachers, professionals and anybody who wants improve their skills and qualifications. This is a complete package of lecture, material, tutorial, interactive sessions, examinations and certification. It is free of cost education available anyone, anywhere and for

everybody. Last 10 months of its launch has seen a tremendous response to this initiative with more than 20 lakh registrations. 20 per cent credit transfers to students is allowed.

■ **SWAYAM PRABHA** (www.swayamprabha.gov.in) - a bouquet of 32 dedicated high quality educational channels on DTH platform which is available through free dish of Doordarshan. Many telephone companies and DTH and Cable operators are also relaying these channels through their system. Through these channels, anyone in any part of the country can view the lectures by the best teachers without internet. It is also available on YouTube as archival data.

■ **National Digital Library**

(www.ndl.iitkgp.ac.in) is an online library with 17 million books and recordings which is available free of cost to the registered user. It is a National repository of e-content. It integrates all the existing digitized content across educational institutes. It has 32 lakh registered users and the number is increasing fast. This has benefited students and faculty enormously as they need not run from one library to another library for finding a required book. All the libraries are available on his laptop/mobile.

■ **National Academic Depository**

(www.nad.gov.in) is where all academic documents like degree, mark sheet are preserved digitally. In first 9 months of its launch more than 1.05 crore documents are preserved in DMAT format. So, students need not run around for their transcripts and

the authenticated documents will be available to the students and employers at the click of a button. Thus, the danger of theft or forgery are eliminated.

■ **Wi-Fi facility** has been provided to all central universities. Enabling provisions by UGC has brought in momentum, by which campuses are getting converted into Wi-Fi enabled campuses. Nearly 400 university campuses and 10,000 colleges are Wi-Fi enabled.



Teachers Training

■ **PMMMNMTT: Pandit Madan Mohan Malaviya National Mission for Teachers Training**

(www.mhrd.gov.in/pmmmnmtt) has organized in-service training programs for more than 1,00,000 college and university teachers. Newly appointed teachers will undergo six months pedagogical training, so that they can make good rapport with students and the quality improves.



Research and Innovation Initiatives



- **IMPRINT (www.imprint-india.org)** promotes research by IITs and NITs in 10 domains, which are having greatest relevance to the society. Under this, public funding is done on competitive basis for research proposals. 323 research projects are underway. **IMPRINT-II** has also been launched this and process of examination of new proposal is on. This will create a research culture in society and focus research in domain areas will get boost.
- **UAY - Uchhatar Avishkar Yojana** is the first major initiative of industry-

academia partnership. 98 projects are taken up for finding solutions by teams of faculty and students in IITs to the customized requirements of the industries. This gives hands-on research opportunity to students and faculties which enriches the education.

- **PMRF - Prime Minister's Research Fellowship (www.pmrif.in)** is yet another initiative to retain the best brains in the country by offering them best research facilities, environment and liberal fellowships. 1,000 students with academic excellence are given 5 years' scholarship worth Rs. 70,000-Rs.



80,000 per month and Rs. 2 lakh annual research grant for doing Ph.D. and research.

- 6 Research parks and incubation centers are established in various IIT campuses so as to create a research ambience and intense engagement with industry.
- **Smart India Hackathon (www.aicte-india.org/Initiatives/smart-india-hackathon)** was organized for the first time in India in 2017 with enthusiastic participation of 40,000 students. Hackathon is a

competition to find out digital solutions to various problems faced by the people. Last year 600 problem statements were given. A team of 6 students work for three months on a chosen problem and come out with a digital solution. More than 54 solutions are at the deployment stage. In 2018, 1,00,000 students participated. Hackathon gives hands-on working and research opportunity for engineering students. This year hardware Hackathon is also organized. India's Hackathon is proved to be world's largest.

OTHER INITIATIVES



Equity Initiatives

- Liberal educational loans, **interest subsidy** on education loans, scholarships guarantees that no poor student of merit will be deprived of higher education.
- Since 2014, **interest subsidy** on education loans has been granted to 7,60,000 students with a budget of Rs. 1,800 crore per year. The budget stands increased to Rs. 2,200 crore per year for next three years and will cover 10,00,000 students.
- IITs have only 8 per cent of girl students. To increase the participation, a **4-year scheme** has been prepared which will ensure growing participation of girl students from 8 per cent to 20 per cent in next 4 years.



National Testing Agency

National Testing Agency has been established which will conduct all professional exams as per international standards in a transparent way. Today CBSE has to conduct 24 examinations for 15 million students. NTA will conduct quality and timely examinations of all kinds.



Unnat Bharat Abhiyan



- Under **UBA**, higher educational institutions like IITs, NITs, Central Universities, colleges will adopt 3 to 5 villages each, understand their problems and provide solutions to the district administration for implementation.
- Technical institutions will provide technological solutions while non-technical institutions will spread awareness and knowledge of the best practices.

- So far about 750 educational institutions have enrolled under UBA.
- This programme will benefit both the students and villages. Students get real life exposure to rural realities while the villages would benefit from the knowledge input of the institutions.
- A much-needed strong rapport would develop between the district administration and the educational institutions all over India.



- On 18th April, 2018, the **Study in India** programme (www.studyinindia.gov.in) for admission of foreign students was launched. It offers India as an attractive education destination. To attract foreign students in India, 30 countries are being targeted. 160 Institutions (both public and private)

Study in India

have been accredited. In the very first year of launch, more than 18,000 seats are being offered with more than 50% seats under different ranges of fee waivers.

- Apart from increasing the number of foreign students, this initiative would help in improving the global ranking of Indian institutions.

