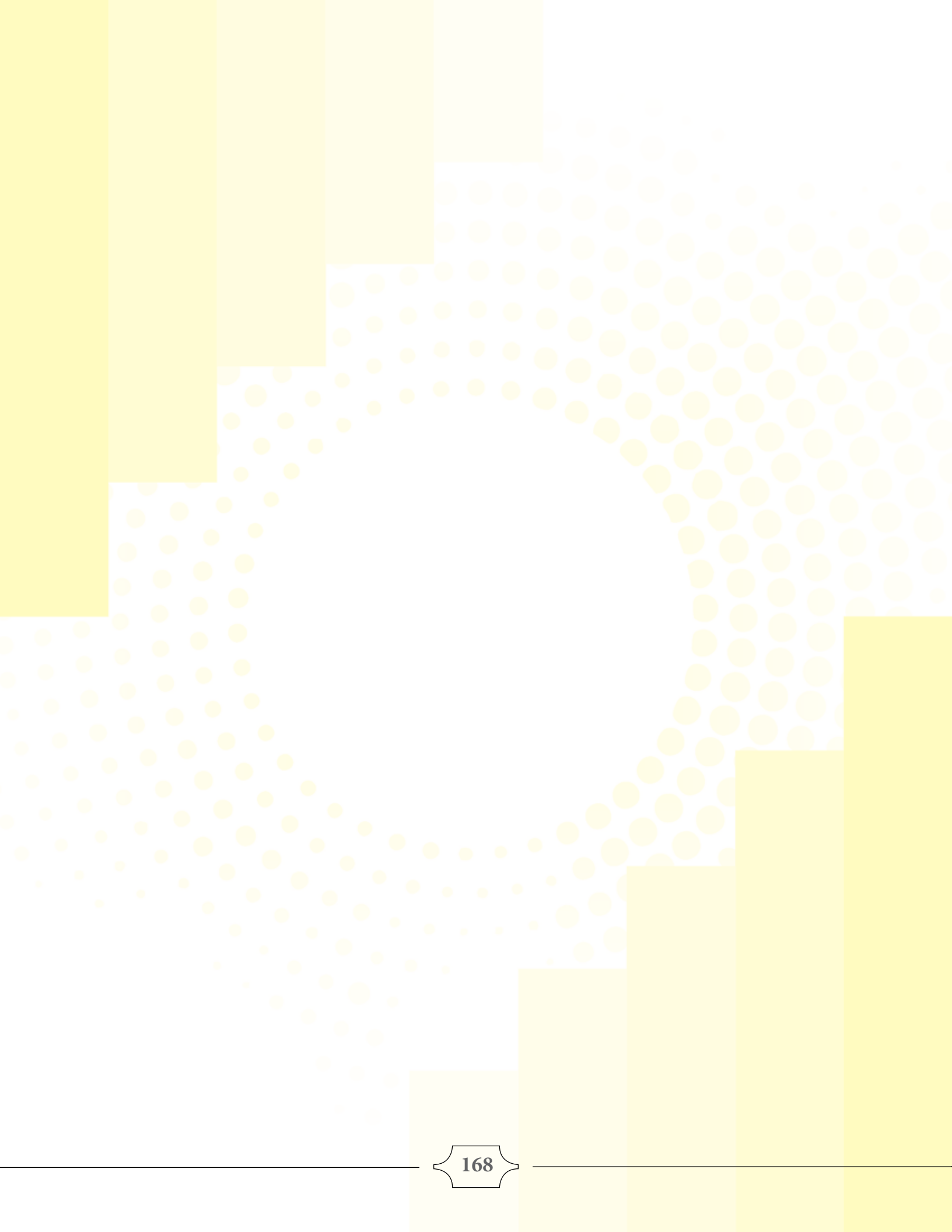


**Chapter - 10**

**Education and Skill  
Development**



## Chapter 10

# Education and Skill Development

Madhya Pradesh has made significant progress in recent years in ensuring quality education for all particularly at the elementary level, in line with the SDGs. The state also has also taken many steps for enhancing the quality of higher education and technical education with a priority accorded to vocational training and skill initiatives for harnessing youth power in the state. The state has also emerged as a leading education hub in the country with the presence of 'Institutes of National Importance' such as the Indian Institute of Technology, the Indian Institute of Management, and two National Law Universities. The state works through three main departments: the Department of School Education, the Department of Higher Education, and the Department of Technical Education, Skill Development and Employment and implements a number of schemes and programmes. The Department of School Education is responsible for primary to higher secondary education, Higher Education Department aims for the multidimensional development of the youth's personality, and Technical Education focuses on all technical, vocational education and skill initiatives to make youth a competent workforce.

### 10.1 School Education

At the elementary level, significant achievements in the last financial year include the setting up of CM Rise Schools and steps towards implementation of the National Education Policy. A testament to this is the state's performance in the National Achievement Survey, 2021 with Madhya Pradesh ranking fifth in the entire country in the educational achievements of elementary classes. The UDISE+ 2021-22 data also shows the availability of school facilities in all the settlements of the state, with significant improvements recorded over past years in school infrastructural facilities as well as computer and internet facility.

At present, as per the UDISE+ Report 2021-22, Madhya Pradesh has almost 160 lakh children enrolled in 125582 schools including 62413 primary, 45106 upper primary, 8306 secondary, and 9757 higher secondary schools. There are total 9258 government high and higher secondary schools in the state. Total 38.46 lakh students are enrolled at high and higher secondary level in the state as per UDISE+ 2021-22. In line with the national policy directives, the Department has launched the Integrated Scheme for School Education, Samagra Shiksha Abhiyan in 2018 by subsuming the erstwhile Centrally Sponsored Schemes of Sarva Shiksha Abhiyan (SSA), Rashtriya Madhyamik Shiksha Abhiyan (RMSA) and Teacher Education (TE). The Scheme is in accordance with Sustainable Development Goal for Education (SDG-4) and has now been aligned with the National Education Policy (NEP) 2020 to ensure inclusive and equitable, quality, and holistic school education.

An annual work plan of 6067.1 crores has been approved for the year 2022-23 for School Education under Samagra Shiksha Abhiyan. The details of financial achievement for the year 2021-22 of the schemes related to Rajya Shiksha Kendra are shown in the table below. (School Education Department, 2022)

**Table 10.1 : Samagra Shiksha Financial Progress 2021-22**

(Amount in Rs. Crores)

Component	Sanctioned Amount	Available Amount	Expenditure Amount
Elementary Education	4308.37	4293.46	3709.6
Secondary Education	993.71	1173.99	523.78
Teacher Education	44.63	55.01	22.71
Sum	5346.71	5522.46	4256.1

Source: Department of School Education, Government of Madhya Pradesh

The main objective of the campaign is to provide quality education to every child.

**Table 10.2 : Enrolment in primary and upper primary level schools**

(Numbers in Rs. Lakhs)

Level	Year 2020-21			Year 2021-22		
	Boys	Girls	Total	Boys	Girls	Total
Primary (Class 1 to 5)	38.83	35.74	74.57	38.21	35.01	73.21
Upper Primary (Class 6 to 8)	22.28	20.47	42.75	21.86	20.15	42.00
Elementary (Class 1 to 8)	61.11	56.21	117.32	60.06	55.15	115.21

Source: Department of School Education, Government of Madhya Pradesh

## 10.2 Major Initiatives in the Last Financial Year

### 10.2.1. CM RISE Schools:

On an average, 100 students are registered per school in the State. The objective of this scheme is to ensure every student has access to high quality education. The Department of School Education has prepared an action plan for the establishment of CM RISE schools in an integrated manner (from KG to class 10th or 12th), with the goal of providing a high quality school in approximately 15 km range of each settlement, so that quality education can be provided to the students by improving the educational environment. The target is to develop total 9200 schools in the state as all equipped resource-rich schools.

- The operation of 370 CM Rise Schools has started. In order to make these schools fully equipped, construction works worth more than Rs. 6300 crore have been approved in this financial year.
- Labs and libraries have been modernized to equip these schools with all the resources. Furniture and TLM have been supplied. Security and cleanliness in schools have been outsourced.
- Co-scholastic activities have been started in all CM Rise schools. There has been an increase of 7 percent in the attendance of children as compared to last year.

- Principals have been selected through interview and Vice Principals, Principals and teachers of primary-secondary wing have been selected through written test. For capacity building of selected Principals and Vice-Principals, a five-day training has been given at IIM Indore and exposure visits have been made to good government and non-government schools at state and national level.
- At the state level, 1068 school leaders, 1543 science subject teachers and 422 sports teachers were given five-day training at the divisional level on leadership development.
- A total of 2962 teachers have been posted in CM Rise schools of 14 districts on the goals, vision and values of CM Rise Schools. Along with this, a one-day imagination workshop was organized for the state, divisional and district level officers of the department.

### **10.2.2. Actions to Implement the National Education Policy (NEP), 2020**

In the past financial year, the Department of School Education has accorded priority to implementing the provisions of the National Education Policy, 2020, and has taken a number of initiatives such as constitution of a State Level Task Force under the chairmanship of Hon'ble Minister, School Education. A State Curriculum Framework under NEP has been presented to NCERT in April, 2022 and efforts are on for online orientation of officers, principals, teachers on NEP. Focusing on early childhood care and education, in coordination with the Department of Women and Child Development, from education session 2019-20, 1500 KG classes have been started with 'one school one campus' schools as a pilot in 5 districts of the state (Bhopal, Chhindwara, Sehore, Sagar and Shahdol). 5 online courses have been prepared for the training of teachers of the above classes, while educational material has on local games, songs, poems, stories and riddles have been prepared in the local and regional language / dialect. In addition, Foundational Literacy and Numeracy (FLN) State Core Committee has been constituted, with exercise books for children, teachers guide and teacher training initiated.

In addition, steps have been initiated with respect to development of curriculum and pedagogy in schools, including development of primers for teaching at primary level in local/tribal dialects like Gondi, Bhili, Korku etc. There have been efforts for ensuring equitable and inclusive education, namely for Children with Special Needs (CWSN) and for boys and girls especially from socially and economically disadvantaged groups (School Education Department, 2022).

## **10.3 Other Key Schemes of the Department**

In addition, the Department of School Education has been running a number of flagship schemes with a focus on enhancing infrastructure, providing scholarships and other aid to facilitate quality education for all. Some of these are as follows:

### **Excellence schools**

For the purpose of providing quality education at secondary and higher secondary level in government schools, a government higher secondary school has been developed as a school of excellence in each district and block headquarters. At present, the schools of excellence are operational in 43 district headquarters and 196 blocks (remaining excellence schools are CM Rise schools). Presently, at district level excellence schools, 45280 students have been benefited while at block level schools, more than one lakh students have been benefited. Scheme for construction and

operation of hostels along with district level excellence schools has also been started. At present, 45 hostels have their own building constructed in which hostels are being operated.

In the financial year 2022-23, the amount of Rs 11.49 crores has been provisioned for grant of excellence schools. Rs 7.35 crore was allocated till the third quarter and amount of Rs 6.13 crore has been spent. Under the hostel operation scheme, Rs 11.80 crores has been provisioned out of which Rs 8.1 crore has been allocated against which 7.35 crore has been spent (School Education Department, 2022).

### **Model schools**

Govt. of India launched a centrally sponsored scheme in the year 2011-2012 to establish model schools in Educationally Backward Blocks. These schools were planned to be developed as benchmarks. Since 2015-16, this scheme is operated as State scheme. From year 2016-17, maximum 100 seats have been fixed in each class. Admission in class 9th of the model schools is done through a selection test. Model schools are functioning in all 201 educationally backward development blocks in the state. These schools have been successful in providing suitable study facilities to the talented students residing in rural areas. Presently, 54,795 students are studying in these model schools. From the year 2020-21, class 6 has been started in these model schools so that students can get education from class 6 to 12 in same campus itself.

From year 2022-23, 55 model schools are being developed under the CM Rise scheme. Out of remaining 146 schools, model schools have been constructed at 144 locations. Construction work of remaining two is in progress. This FY in 2022-23, Rs.12.82 crore has been provisioned for the scheme, Rs 8.20 crore was allocated till the third quarter and amount of Rs 8.00 crore has been spent (School Education Department, 2022).

### **Kasturba Gandhi Balika Vidyalaya**

The scheme provides for access and quality education to girls from disadvantaged groups belonging to SC, ST, OBC, minority communities and BPL families aspiring to study in classes VI to XII; and ensure smooth transition of girls from elementary to secondary and upto class XII wherever possible. The scheme runs under Samagra Shiksha which aims at bridging gender and social category gaps at all levels of school education. KGBV provides the facility to have at-least one residential school for girls from classes VI-XII in every educationally backward block (EBBs).

In MP, 207 residential Kasturba Gandhi Girls Schools and additional 324 girls hostels were established in which 56 thousand girls are being benefited. Sports for Development scheme is being implemented in collaboration with UNICEF for the girls in these hostels and schools (School Education Department, 2022).

### **One campus one school (Ek Parisar Ek Shala)**

Schools of different levels were operated as separate units in the same premises under the Department of School Education, due to which the human and physical resources available in different schools located in the same premises were not being utilized to the maximum in the interest of the students. By integration of different schools located in the same campus, availability of class-wise and subject-wise teachers have increased. About 35 thousand schools located in about 16 thousand campuses have been identified and merged as one campus one school (School Education Department, 2022).



### **Super 100 scheme**

Under this scheme, students of government schools who get 70 percent or more marks in the 10th state board examination are given admission through a selection test. Selected students get to study class 11th and 12th in Subhash Excellence Higher Secondary School, Bhopal and Government Malhar Ashram Higher Secondary School, Indore. Alongside, they are provided with necessary coaching for admission in courses like engineering, medical, C.A., etc. through competitive examinations. In the financial year 2022-23, by making a budget provision of Rs 4 crore, the goal is to benefit 608 students (School Education Department, 2022).

### **Medhavi (Pratibhashali) Chatra Samvardhan Scheme**

The scheme was launched in the year 2009-10 by the State School Education department. In 12 years, this scheme has become so effective among the students that they have become competitive to get better exam results. As a result of which, in the academic session 2021-22, 91,498 students of the state earned 75 percent or more in the first attempt of class 12th Secondary Education Board exam. With the budget of Rs. 228 crore under the scheme, an amount of Rs 25 thousand per student was distributed for the purchase of laptop and these eligible students were benefitted. With this effective scheme of the department, the results of class 12th of the students shown tremendous improvement which defines the success of the scheme (School Education Department, 2022).

### **Scholarship Schemes**

Since 2013-14, the Department of School Education is running the Integrated (Samekit) Scholarship Scheme under the Samagra Social Security Mission (subsuming a number of previously running schemes) in which about 27 types of scholarships of 06 departments of the state government are being approved online through the education portal and transferred directly to the students' accounts. In the year 2020-21, the scholarship amount of about 724 crores has been transferred to the bank accounts of about 77 lakh students (School Education Department, 2022).

### **Free cycle distribution scheme**

This year 2022-23, cycles have been distributed to approx. 1,00,000 students so far in class 6th and 9th. The process of cycle distribution to the remaining beneficiary students is under process. As a pilot this year, eligible students will be given the benefit of the scheme through e-vouchers in Indore and Bhopal districts (School Education Department, 2022).

### **Free textbook distribution scheme**

Free textbooks are distributed from class 1 to 8 in government schools, registered madrasas and sanskrit schools. Also, there is a provision of Rs.600 for two pairs of uniform for all the students studying in all government schools of the state from class 1 to 8. Free textbooks are also provided to all students from class 9th to 12th studying in high school and higher secondary government schools. In financial year 2022-23, provision of Rs.102.00 crore was made in the budget. Under the scheme, almost 24,34,316 students studying in government school from class 9th to 12th have been benefitted by providing them with free textbooks (School Education Department, 2022).

### **Quality Improvement Scheme**

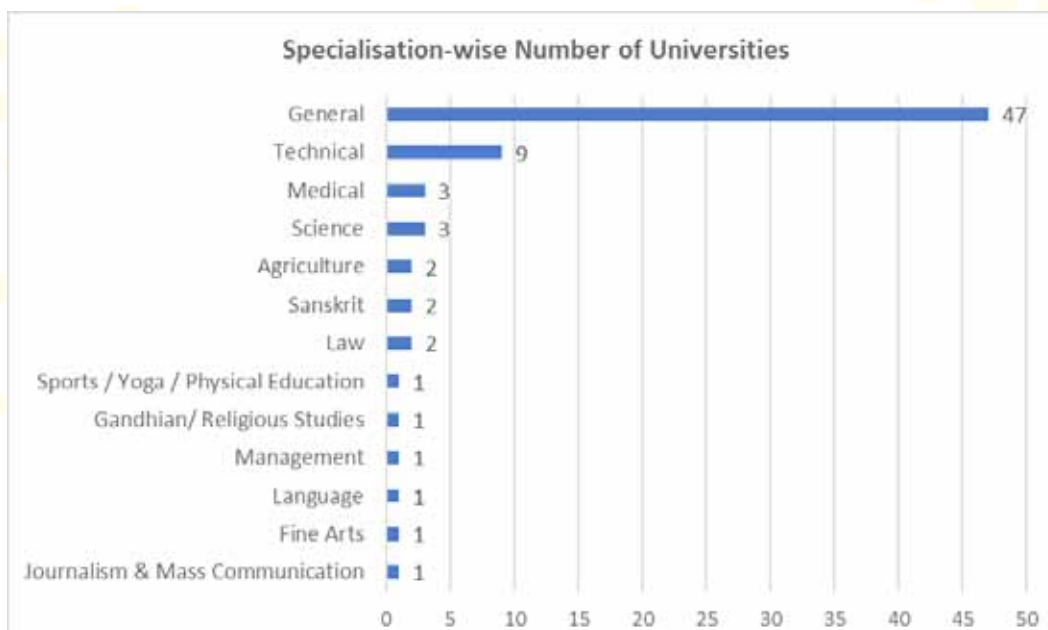
For the children of Madhya Pradesh to perform better in national level competitions/ examinations and for the purpose of teaching a common subject matter throughout the country,

NCERT books have been acquired by the State. A total 271 of NCERT textbooks (all medium), of Environment Studies, Science, Social Science, and Mathematics, from classes 1 to 12 have been acquired for the schools of the state. Also, books prepared at the State Level (by SCERT) from pre-existing classes 1 to 8, a total of 67 (Hindi, English, Urdu and Marathi medium) textbooks for the education session 2022-23 have been revised and distributed (School Education Department, 2022).

## 10.4 Higher Education

Under the AtmaNirbhar Madhya Pradesh Roadmap 2023, the state has given importance to improving access and strengthening of infrastructure in higher education institutions, establishing new distance learning centres, quality upgradation, establishment and promotion of entrepreneurship, and setting up of the MP Knowledge Corporation to strengthen the higher education system in Madhya Pradesh (Government of Madhya Pradesh, 2020).

According to the All-India Survey for Higher Education (AISHE) Report 2020-2021, Madhya Pradesh is at the sixth position with 2610 colleges and 29 colleges per lakh population. Madhya Pradesh is also in the top 6 States in terms of highest total student enrolment. 17,37,685 students are enrolled in private and government colleges. The average enrolment per college for the state of Madhya Pradesh is 666 and the national average enrolment per college is 646. There is a total of 74 universities in the State out of which 22 are State Public Universities, 39 State Private Universities, 9 Institutes of National Importance, 2 Central Universities, 1 State Open University and 1 Deemed Government University (Ministry of Education, 2020-21). Specialisation-wise break-up of the number of universities is shown in the graph below:



**Figure 10.1 : Specialization-wise Number of Universities**

Source: All-India Survey for Higher Education (AISHE) Report 2020-2021

In the year 2020-21, GER for higher education (18-23 years) of Madhya Pradesh is 27.1 whereas for India is 27.3. Compared with AISHE 2016-17 data, when the GER of the state was 20.1, the GER has shown an increasing trend in higher education.



### **10.4.1 Key Schemes and Initiatives in Higher Education**

The key thrust areas of schemes and initiatives in the field of higher education has been to provide financial assistance and other facilities to students pursuing higher education, with a focus on the marginal and disadvantage, providing them career guidance while upgrading infrastructure. Some of these may be enumerated as below:

#### **Living and Transport Allowance for Disabled Students pursuing education in Computer or Management**

The scheme was launched in view of the recommendations made by the Human Rights Commission to provide students with disabilities studying computer and management in government colleges a living allowance of Rs 1,500/- per month. After completing graduation, the disabled students pursuing further studies get a transportation allowance of Rs.500/- per month in Municipal Corporation area and Rs.300/- per month in Municipality area. Under this scheme, financial assistance has been provided to a total of 66 beneficiaries by making a provision of Rs.30.00 lakh in the financial year 2022-23 (Department of Higher Education, Government of Madhya Pradesh, 2022).

#### **Gaon Ki Beti Scheme**

The main objective of the scheme is to provide financial assistance to talented girl students living in rural areas of the state, to increase their level of education, and to encourage them toward higher education. In this scheme, the selected girl student is given Rs. 500/- per month (for a maximum of 10 months) for the graduate course while girl students pursuing medical or technical education get Rs 750/- per month for a period of 10 months amounting to Rs 7500/-. The girl students of urban or urban areas will not get the benefit of this scheme. This scheme has been implemented under the Global Budget from the year 2013-14. This amount is an incentive amount, so along with it the student can also get the benefit of other schemes. This scheme is applicable in all government and non-government colleges. (Department of Higher Education, Government of Madhya Pradesh, 2022).

#### **Pratibha Kiran Scheme**

The objective of the scheme is to provide financial assistance as an incentive to the meritorious girl students of the city living below the poverty line to increase their level of education. In this scheme, Rs.500/- per month (for a maximum of 10 months) is given to the selected girl student for the graduate course while girl students pursuing medical or technical education get Rs 750/- per month for a period of 10 months amounting to Rs 7500/-. This amount is an incentive amount, so along with it the student can get the benefit of other schemes. Under this scheme, a provision of Rs.325.00 lakh has been made for the financial year 2022-23 and a total amount of Rs.100.57 lakh has been allocated. (Department of Higher Education, Government of Madhya Pradesh, 2022).

#### **Free supply of books and stationery to SC/ST students**

The objective of the scheme is to help the students of Scheduled Caste/Scheduled Tribe pursuing graduate/ post graduate courses in government colleges of the state. Under this scheme, books worth Rs.1500/- and stationery worth Rs.500/- are provided annually to the students of Scheduled Caste/ Scheduled Tribes. For the year 2022-23, a provision of Rs. 5160.00 lakhs was made (Department of Higher Education, Government of Madhya Pradesh, 2022).

### **Laboratory Upgradation and Library Development Scheme**

In the current scenario, for the purpose of enhancing quality in the field of science, particularly upgradation of laboratories for government colleges, the allocation of Rs.16.00 crores was received. In this way funds have been allocated to total 75 government colleges in the state for this purpose. For the development of infrastructure of libraries in government colleges, grants were provided to government colleges for setting up e-libraries under this scheme. With this grant, the college can purchase computer and its accessories. In the year 2022-23, by making a provision of Rs.1,43,20,000.00/- financial assistance has been provided to all 50 government colleges in the state (Department of Higher Education, Government of Madhya Pradesh, 2022).

### **Building Construction Scheme**

An amount of Rs 100.00 crore has been allocated to the construction agencies in the financial year 2022-23 for the buildings and other construction works of government colleges of Madhya Pradesh. In re-appropriation, a budget of Rs.50.00 crore was received, which has been allotted to the construction agencies. In the financial year 2022-23, for 18 new buildings and 31 other construction works, in this way, administrative approval for a total amount of Rs 17399.40 lakh has been issued for the government colleges (Department of Higher Education, Government of Madhya Pradesh, 2022).

### **Abroad Study for Meritorious Students**

The purpose of the scheme is to provide actual expenditure for studies to talented students of unreserved category admitted in foreign studies/courses or a maximum total of US \$ 40,000 or its equivalent in the currency of any other country. The student applying for the scheme should be a native of the state. For post graduate degree, the student should have minimum 60 percent in graduation degree from any recognized university / institute of Madhya Pradesh. Age of the applicant should not exceed 35 years for post graduate level admission and 35 years for PhD research. Applicant should have qualified GRE/GMAT/TOFEL/IELTS and have been admitted to a course of study abroad. The annual family income of the applicant from all sources should not exceed Rs.8.00 lakh. There is a provision to benefit 20 students every year.

In the year 2022-23, a budget allocation of Rs 240.00 lakh has been made for the said scheme. A total of 04 beneficiaries have received the benefit of the scheme (Department of Higher Education, Government of Madhya Pradesh, 2022)

### **Ph.D. Research Scholarship For SC/ST and PwDs Students**

The objective of the scheme is to provide financial support for Ph.D. research. This scholarship will be given to a maximum of 100 SC, 56 ST and 10 differently abled scholars of all categories. 16,000 per month or the rate fixed by the Government from time to time is payable per annum for a maximum period of 03 years.

It is mandatory for the eligible applicant to be a native of Madhya Pradesh with the concerned research scholar being registered in the university for Ph.D. degree. The annual income limit for parent/guardian would be Rs.3.00 lakh for Scheduled Caste/Scheduled Tribe and Rs.1.00 lakh for the disabled student. She/he must possess minimum qualification as per UGC norms and must possess certificate issued by the competent authority. A provision of Rs.350.00 lakh has been made for the year 2022-23.

### **Integrated / Sanskrit Scholarship Scheme**

Various integrated schemes are run by the Department of Higher Education to provide financial assistance to various students by providing scholarship on the basis of eligibility. To avail this scholarship, annual income of the parents of the students should not exceed Rs 54000/- and they are given 10 months scholarship according to the new rates. Different types of scholarships are currently operating and as per their fixed quota, budget provision for the session 2022-23 is Rs.30.00 lakhs, in which 508 quota has been earmarked for integrated scheme and 200 quota for Sanskrit scholarship. An amount of Rs 17.50 lakh has been spent under the said scheme, in which 66 students have been benefited.

### **Rashtriya Uchchar Shiksha Abhiyan (RUSA)**

Rashtriya Uchchar Shiksha Abhiyan (RUSA) is a scheme of the Ministry of Education, Government of India, which aims to increase the reach of higher education in remote rural and tribal areas along with increasing the quality of academics. Along with this, providing opportunities for higher education to the weaker sections and women is also a major objective. Under RUSA, in the last financial year, grants have been given for construction / upgradation / purchase to a total of 102 beneficiary organizations (Department of Higher Education, Government of Madhya Pradesh, 2022).

### **Swami Vivekananda Career Guidance Scheme:**

The main objective of the scheme is to inspire and provide continuous guidance to the students studying in all government higher secondary schools, government colleges and technical educational institutions of the state for their career through self-assessment for their overall personality development and prepare them for employment and self-employment. A budgetary provision of Rs 30.00 lakh and Rs 66.00 lakh has been made for the operation of Swami Vivekananda Career Guidance Scheme and Employment Oriented Vocational Training Scheme for youth in the financial year 2022-23 (Department of Higher Education, Government of Madhya Pradesh, 2022).

### **10.4.2 World Bank funded Madhya Pradesh Higher Education Quality Upgradation Project:**

1. Construction work of new buildings of 50 colleges completed. Out of 193 colleges, infrastructure upgradation work of 48 colleges has been completed and remaining 145 is in progress.
2. Furniture provided to 247 colleges to improve the seating arrangement of the students.
3. Physics, biology and chemistry laboratory equipment are being provided to 247 colleges under the project.
4. Centre of Excellence (CEO)- Objective is to establish a center of excellence for better research and development in various disciplines, publications, industrial collaboration, incubation, etc. Basically, industry tie-up, research project, state level workshop, research publication and project and MoU's activities are being focused upon. Presently, established CEOs are working in all these areas.
5. Under the Center of Excellence, 03 universities (06 departments in Barkatullah University Bhopal, 02 departments in Devi Ahilya Bai University Indore and 07 departments in Jiwaji University Gwalior) have been selected, for which a total amount of Rs. 29.37 crores have been approved.

6. New proposals have been invited from Vikram University Ujjain, Rani Durgavati University Jabalpur and Awadhesh Pratap Singh University Rewa.
7. Tenders are being issued for establishment of virtual classes in 200 colleges, after establishment, teaching and learning will be done through e-content and expert faculty.
8. The process of setting up additional 937 smart classes in 225 colleges and computer labs in 123 colleges is in progress.
9. Apart from this, digital studios are being set up in 10 divisional headquarters, through which e-content will be created.
10. E-library software has been installed in libraries in 527 colleges and 16 universities. An amount of Rs 1.15 crore has been approved for the said work.
11. A total amount of Rs 7.37 crore has been approved for the purchase of necessary hardware for the effective functioning of e-libraries in 247 colleges.
12. A total amount of Rs 7.71 crore has been allocated to 196 colleges for academic excellence activities.
13. For the establishment of Digital Repository, the work of Learning Management System has been completed by MAPIT. The learning management was created under the integrated portal. Construction of 06 modules proposed in the first phase by MAPIT under the integrated portal is complete and work is in progress on the remaining 12 modules.
14. Training on learning management system has also been provided to the colleges.
15. For the first year of graduation, 800 e-content of major 21 subjects and 350 e-content for the first two units in 16 subjects of second year of graduation are available on the LMS portal by the teachers of the state.
16. For e-content creation, 2500 professors have been given online training through the Faculty Development Program by the Commissioner's office. 2100 faculty have been trained online through the Academy of Administration for 25 vocational subjects.
17. Establishment of SLNC-STATE LEVEL NAAC cell and training and cooperation is being provided for NAAC in 120 colleges of the state.
18. E-library cloud based software was provided to 527 government colleges and 16 universities with the help of NIC.

PMU has been established in the project office in 2018, whose duration is till 2024. Monitoring and evaluation of the project is being done by PMU.

Maintenance and auditing of accounts through accounting software is done in 200 colleges of the state, in the chart of accounts format prescribed by the Department of Higher Education and the World Bank is done (Department of Higher Education, Government of Madhya Pradesh, 2022).

## **10.5 Technical Education and Skill**

Technical training and skills are important for Madhya Pradesh for realizing the potential of its workforce particularly the youth and cater to the need of its industries, vital to the sustained economic growth of the state. Technical Education and Skill Development has been accorded priority in the Atma Nirbhar Madhya Pradesh Roadmap 2023, with a number of time-bound outcome



and output targets set for this sector, particularly focused on providing technical courses aligned to needs of the industry, the deployment of technology for training delivery, priority to placement and entrepreneurship, and the establishment of incubation centres.

The Department of Technical Education, Skill Development and Employment, Government of Madhya Pradesh is the nodal department for the sector and owing to its consistent efforts over the years, there has been a considerable rise in the number of technical educational institutes in the state. As of 2022-23, there are 1300 technical educational institutes under the Department (including government, government aided and autonomous) with a total intake capacity of 194478. There are 1020 Industrial Training Institutes (ITIs) in the state catering to a number of vocations, with 262 government ITIs and 758 private ITIs. The budgetary allocation for the sector for the year 2022-23 has been Rupees 91603.60 lakhs, with some of the highest allocations for polytechnics, aid for autonomous technical institutes and the Mukhya Mantri Medhavi Vidyarthi Yojana (Department of Technical, Skill Development and Employment, Government of Madhya Pradesh, 2021-22).

In addition to this, the department has established Centre for Research and Industrial Staff Performance (CRISP) in the year 1997. The aim of the CRISP is enhancing the technical competencies of the intended target groups, e.g. polytechnic students and staff, job seeking diploma holders and other technical personnel and providing consultancy and information resources to promote and encourage performance of technical personnel. CRISP is running training cum production center to fulfil the requirements of small, medium and large-scale industries and overcome their challenges by providing training to youth in the area of job work and machining (Department of Technical, Skill Development and Employment, Government of Madhya Pradesh, 2021).

**Table 10.3 : Technical Educational Institutes in Madhya Pradesh**

Type of Institute	2021-2022		2022-23	
	Number	Intake Capacity	Number	Intake Capacity
Engineering & Architecture	151	55158	147	54998
MCA	45	2980	44	3130
MBA	211	38469	265	53556
B. Pharma/D. Pharma	157	18600	159	20000
Diploma engineering courses	136	28901	134	28699

*Source: Department of Technical Education, Government of Madhya Pradesh*

### 10.5.1 Initiatives and Achievements of Technical Education for the Financial Year 2022-23

- Against the available 194478 admission capacity in various technical and professional programmes in the state, 137406 admissions have been done through online off-campus counselling.
- One of the flagship schemes implemented by the Directorate of Technical Education is the Mukhya Mantri Medhavi Vidyarthi Yojana. Started in 2017, the scheme has been launched to provide financial assistance to meritorious students of the state who have



passed their 12th standard for pursuing higher education with annual earnings of the student's parents/ guardians not exceeding Rs. 6 lakhs per annum. Under this scheme, the government pays for the higher education fees of those students who have obtained 70% or more percentage in the 12th standard from the Madhya Pradesh State Board or 85% and more in the 12th standard CBSE Board exam. As on January 31, 2023, an amount of Rs 161.16 crore has been made available to 54402 meritorious students in the academic session 2022-23 under the scheme. In the financial year 2022-23 (till January 31, 2023), 3712 students were benefitted at a cost of Rs 3.61 crores.

- In line with the government's commitment to enhance the quality of education in technical colleges, as outlined in the Atmar Nirbhar Madhya Pradesh roadmap, the Department organized through CRISP Bhopal, MSME Technology Centre, Indore (Indo German Tool Room) and MPCON, foreign language training programme and on-job training.
- A key achievement has been the signing of an MOU between the Directorate of Technical Education and IIT Indore whereby students of eight state-run and government aided engineering colleges of the state can visit and access lab facilities and Learning Resource Centres at IIT Indore and secure free internships.
- Another notable achievement has been initiation of teaching in Hindi medium in technical courses in five engineering colleges and six polytechnics of the state from the academic session 2022-23 (Department of Technical, Skill Development and Employment, Government of Madhya Pradesh, 2021-22).

### **10.5.2 Roadmap and Priorities for Technical Education the Financial year 2023-24**

In line with the priorities articulated for the sector in the Atma Nirbhar Madhya Pradesh Roadmap 2023 particularly establishing centres of excellence and research labs, collaborations for knowledge partnership and mentorship, training of teachers, development of placement and career cells etc., the Department will be focusing on the following in the next financial year, that is, 2023-24:

- The state government has the target of setting up centres of excellence in two engineering colleges and five polytechnics in the state, in line with the Atmanirbhar Madhya Pradesh Roadmap.
- With the objective of making quality learning easily accessible to all students, the Department intends to step up ongoing efforts in organizing online classes based on the syllabus for students studying in all government/autonomous technical educational institutions. Video lectures of subject experts and other reading materials will be made available on the web-portal of the Rajiv Gandhi Technological University.
- Further, the ongoing work of providing the facility of e-library established by the Rajiv Gandhi Technological University to all government/autonomous technical educational institutions is to be completed.
- A target of Rs 450 crores has been set for the year 2023-24 for providing free higher education to the financially weak meritorious students of the state under the Mukhyamantri Medhavi Vidyarthi Yojana.

- In line with the targets set in the Atma Nirbhar Madhya Pradesh 2023 Roadmap for training of teachers, training programmes are to be organized as per the training calendar of the Department at CRISP Bhopal, Indo German Tool Room Indore, MSME Technology Centre, Bhopal, IIT Indore/IIM Indore for training of teachers on the latest available online platforms/technologies in order to ensure effective conduct of online classes and continuous evaluation and active participation of students.
- Last but not the least, a career and placement cell is to be set up in the Directorate of Technical Education to ensure better employment prospects of the students of the state (Department of Technical, Skill Development and Employment, Government of Madhya Pradesh, 2022-23).

### **10.5.3 Skill Development Initiatives**

#### **Global Skill Park**

Global Skills Park - City Campus was established in July 2019 at Govindpura Industrial Area, Bhopal as a state-of-the-art technical training institute of international level. It was established by the Government of Madhya Pradesh in collaboration with the Asian Development Bank and Singapore under the Madhya Pradesh Skill Development Project and this institution is an unprecedented step towards innovation in the world of Indian technical education. The aim of this project is to make the trainees efficient and help in the progress of this state, country and the world. In this institution, one-year certificate course of Advance Certificate in Precision Engineering is given to the pass-out trainees from Engineering Colleges, ITI Institutes and Polytechnic Institutes of the state (The Department of Technical Education, Skill Development and Employment, 2019).

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