4.Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Answer:

All the physical facilities are adequately available. The teaching and learning facilities are available in adequate as specified by the management of the Institution. The infrastructural facilities such as classrooms, laboratories, library, furniture, educational equipments and other facilities like drinking water, sanitation etc. are availed by the Management. The policy of the institute for creation and enhancement of infrastructure is as per the changing requirements in higher education. The available infrastructure fulfils adequate norms like healthy, comfortable and conductive educational environment.

The institution has spread over an area 06.19 acres with sufficient Play ground, Seminar Hall, cycle stand and 18 sufficient spacious comfortable sitting arrangement classrooms for effective communication between teacher and students which are suitable for conducting tutorials, seminars and counseling for Students. Institute has well spacious and fully equipped seminar Hall for various functions, seminars, to conduct expert lectures, curricular, extra-curricular and other activities. Institution has one administrative office, computer centre, language lab and eleven departments such as English, Marathi, History, Economics, Geography, Commerce, Chemistry, Physics, Zoology, Botany and Physical education and other eight departments like Department of extra mural activity, Life Long Learning and Extension, Student Development Board, Environment Awareness, Agricultural guidance cell ,N.S.S , N.C.C. and Competitive Examination Cell.

Institution has well computational equipment and facilities such as LCD, internet connectivity well equipped science laboratories are available to carry the science practical experiments Also well equipped computer lab, language lab and sufficient computers with internet facility.

Library

The college has a well furnished library, having 1100 sq. ft. area which has adequate number of books, periodicals and 11 newspapers. In library showcase arranged for the new arrivals also new titles arranged on notice board. The library provides informational knowledge to the students and teachers. In addition some of the departments have separate departmental library to provide subject related books.

NSS Unit- NSS office has 440 Sq. ft. area with computer, Printer and other facilities for 250 NSS students.

NCC Unit-NCC office has 440 Sq. feet area with computer, and other facilities for a platoon of 60 NCC cadets including girls.

Sports Department- Sports department has 440 Sq. feet area with spacious office and adequate facilities such as computer and sports equipments.

1	Area of the college	2.59 Hec.(6.19 acres)
2	Classrooms	18
3	Laboratories	08
4	Seminar Hall	01
5	Central Library	01
6	IQAC Department	01
7	Principal Office	01
8	Well-furnished administrative office	01
9	Departments. (English,Marathi,History,Economics,Geography, Commerce,Chemistry,Physics,Botany,Zoology)	10
10	Other Departments. (Physical Education,,N.S.S.,N.C.C., Student Development,Board,Life long learing Extention Environmental Awareness,Agriculturalguidance Cell, Compitative Examination Cell, Extra Mural Activity,	09

11	Staff Room with Water Closet	01
12	Girls common Room	01
13	Competitive Exam Unit	01
14	Central Urinal, Toilet & Washroom for girl Students	02
15	Central Urinal, Toilet for Boys	02
16	Well equipped Gym	01
17	Computers with internet	59
18	Botanical Garden	01
19	UPS	10
20	Generator	02
21	LCD Projector	11
22	TV	02
23	CCTV Camera	11
24	Laptops	03
25	Scanner	04
26	printer	33

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Answer:

The Institution has 200 m running track.

Indoor & outdoor

1. Adequate facilities for Wrestling, Judo, Boxing, Chess, Carom, etc. are available.

2. Former students (Players) trains to regular students for Wrestling, Ball badminton, Judo, Boxing, Football and Athletics who participate at State and National level.

3. Physical Education Department provide supplementary Diet.

4. **Cultural Activities**: Cultural department has Cultural instruments like Bass Drum, Side Drum, Dholaki, Khanjeri, Bigul, Bass Drum (Big Size), Casio (Harmonium) and Keyboard Cover etc. These Cultural instruments used for various cultural programs and encourages students to participate in intercollegiate and state level cultural competitions.

5. Details of List of games played by the students given in below.

Sr. No.	Facility	Area /Size	Year of Establishment	Equipments	Students playing professional	Students playing nonprofes-

						sional
I) Indoor						
1	Wrestling	400 sq ft	1978	4 costum mats, 43 matcover	Nil	61
2	Judo	400 sq ft	1999	3 Dress	Nil	42
3	Boxing	400 sq ft	2000	4 Glows	Nil	16
4	Chess	400 sq ft	1978	4 Sets	Nil	25
II Outdoor						
1	Running Track	200 meter	2019	----	Nil	---
2	Kabbadi	1ground (13x10M)	1978	-----	Nil	84
3	Ball Badminton	2grounds (12x24M)	1990	2 Net , 36 Ball	Nil	215
4	Archery		2005	3 Bow, Stand - 01,Butteres 01,Arow -25	Nil	13
5	Athletics		1980	-----	Nil	75
6	Cricket		1978	12 Balls,03 Bats	Nil	80
7	Mallkhamb		1978	2 Poles	Nil	28
8	Shooting		2012	Rifle - 04,Pistool - 10	Nil	02
9	Foot Ball		2010		Nil	19
10	Cross Country		1980	River , Road, Hill etc.	Nil	51

III Gym						
1	Well equipped multipurpose gym	440 square feet	2011	Hacksqvat machine - 02,Deadlift machine - 03,12 Station multy Gym - 01,Weight training Seat Bench multi-purpose -05, Excercise cycle - 06,Motorised Treadmill.	Nil	
2	Gymnastic	porch	2013	Parallel Bar, Horizontal Bar, Roman Ring, Dumbells	Nil	17

IV- Yoga and Meditation Training

Karmveer Ramraoji Aher Arts, Science and Commerce College Deola Yoga and Meditation campaign for staff and students on 21st June every year from 2015. NCC cadets took training of Yoga and Meditation from 1 to 21 June every year.

V – Cultural Activity.

Cultural department has Cultural instruments like Bass Drum, Side Drum, Dholaki, Khanjeri, Bigul, Bass Drum (Big Size), Casio (Harmonium) and Keyboard Cover etc. These Cultural instruments used for various cultural programs and encourages students to participate in intercollegiate and state level cultural competitions.

On the occasion of college annual gathering cultural department organises cultural programs like Tribal dance, Local traditional dance, Singing, One act play, Social awareness program, Drama on different burning issues. Best performers are felicitated with trophies and certificates.

5. Average annual user rate of Sports facilities is as follows.

Year	Student Participating in Sports	Total Strength Of College	User Rate
2014-15	134	1552	08.63
2015-16	158	1709	09.24
2016-17	138	1613	08.55
2017-18	148	1582	09.35
2018-19	104	1438	07.23

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc
Answer: 31.58

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Answer: 6

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.
Answer: 100

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer:

2018-19	2017-18	2016-17	2015-16	2014-15
14.50	7.46	14.27	16.21	7.86

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)
Answer:

Karmveer Ramraoji Aher College Library came into existence in 1978 and is located in the College premises. Total carpet area of the library is1100 sq.ft. Library has a good collection on different areas of knowledge such as language and literature, social sciences, humanities, Commerce, Pure and Applied Science etc. The library is spacious with well furnished and fully computerized. The library is the chief soul and treasure house of knowledge and information for the educational, social and cultural development of the College. Library is the essential and integral part of this institution. The library has total number of Books 25844, Journals 13, Periodicals 26, Newspaper 11 and other learning material. From Monday to Friday the working hours of the library is 7:30 a.m. to 12.00 p.m. and 3.00 p.m. to 5.30 p.m. and on Saturday library opens from 7:30 am. to 12.30 p.m. The students are able to access the library books physically during the library hours. The students are also issued news papers and periodicals as per requirement. Students permit to issuing two copies of the books for seven days. The library also provides a Book-Bank facility for

Science Students. The question paper sets also available for the students for preparation of examination. Reading room is available for students and staff. The partial automation of the library makes the transaction easier. Use of the Virddhi Software for helpful to search the books immediately.

Library forms an integral part of an academic institution. Library committee has constituted to facilitate effective and smooth functioning of the library. The committee meets two times in an academic year to take decisions about various issues related to library facilities, services and its execution for better functioning. The library committee is appointed every year .The Principal of the College is Chairperson of the Committee being assisted by other members. Library committee is responsible for various functions such as

1. To formulate rules and regulations of the library.
2. To do the annual planning and annual budget provision.
3. To purches essential books, journals etc.
4. To make proper arrangement of books.
5. To make improvement in security, safety and facilities.
6. To provide every possible support and guidance to the librarian and possibilities of establishing academic coordination with other library bodies.
7. To guide or to counsel with librarian in general development and administration of the Library.
8. To consider and put forward the views and ideas of faculty and students regarding selection and acquisition of library resources and other library services.

The name of the software used for the library:

Year of Automation	Name of ILMS Software	Nature of automation	Version
2014-15	Virddhi Software	Partially	2.0
2015-16	Virddhi Software	Partially	2.0
2016-17	Virddhi Software	Partially	2.0
2017-18	Virddhi Software	Partially	2.0
2018-19	Virddhi Software	Fully	2.0

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Answer:

The College library was established in July 1978 with 1500 books. The knowledge and resources centre makes all efforts to gain useful books and other knowledge resources to enrich its collection. College Library has a collection of books on different subject areas such as arts and humanities, languages, social sciences and technology, Commerce and Management etc. Collection of rare books, special reports and other knowledge resources including CDS, DVDs, Encyclopaedia Dictionaries, and reference books. The special collection in the knowledge and resources centre benefits the research interest and subject specialization of students and faculties. The collection of rare books also gives additional benefit to the students enhances the teaching learning process. The special collection includes books which are first edition, highly priced books, proceeding and thesis. A separate record of the rare book is maintained. The rare books are not lent outside the campus. Collection of rare and old edition books includes Asa Ghadala Bharat, Shri Sakal Santha Gatha Khand 1 to 2, History of World Civilization, Agro techniques Of Medicinal Plants, Ayurvedic Medicinal Plants Of India Vol.I to II, Maharashtra Sarvjanic Vidyapith Adhiniyam 20165, Adhunic Maharashtrachi Jadanaghadan Shipkar charitra Kosh Khand-1, 2, 3, 4, 5, 6, 7 & 8, Kaushal Vikas, Samanyadnyan Vishvakosh, Yogshiksha avam Prashikshan Bhag 1 & 2, Pakshikosh, Sattavanna te Sattechalis ,Kautiliyam Arthshashram, Hindutva Rising ,Mumbai: Where

Dreams Don't Die (Forty year of Photographing the city). Also in the field of Food and Nutrition, social science, Sociology, Education, Yoga, Human Development, Community Extension. Data is of rare books are as follows:

Rare Books	51
Manuscript	00
Special Reports	08
Other Knowledge Resources-CD /DVDs	95

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

1. ***e-journals***
2. ***e-ShodhSindhu***
3. ***Shodhganga Membership***
4. ***e-books***
5. ***Databases***

Answer: E. None of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Answer: 1.63

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer:

2018-19	2017-18	2016-17	2015-16	2014-15
0.58	3.18	0.82	2.16	1.40

File Description	Document
Details of annual expenditure for purchase of	View Document

books and journals during the last five years	
Audited statements of accounts	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library
Answer: No

4.2.6 Percentage per day usage of library by teachers and students
Answer: 8.74

4.2.6.1 Average number of teachers and students using library per day over last one year

Answer: 128

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi
Answer:
The institution has 63 computers amongst 59 computers are connected to lease line internet having speed of 100 MBPS for administrative and laboratory purpose. The classes with ICT facility is an interactive module which uses graphics, videos and presentation as teaching technique. This system promotes more interaction between teachers and students. The library is fully computerized which can be accessed by the staff as well as students. The study material can be accessed from the computer. The College has purchased VRIDDHI Software which is used for Online Admission in office and also used in library. Accounting and examination related works are performed using this software. With these software routine activities related to students like Admissions, fee receipts, Bonafide Certificates, Transfer certificates etc. are performed.

The above software is updated regularly. The College has computers with latest configuration and protected with net protector antivirus license.

The ICT Class rooms and seminar Hall are updated with computer, internet and LCD projector facility for the teaching and learning process.

IT Maintenance

One technician is appointed by the College for maintenance of IT infrastructure of the campus. Provision is made in the budget for annual maintenance for the hardware KASMADE Data Corporation Deola and Vriddhi Software Solutions Pvt. Ltd. Malegaon

Sr.No.	IT Facilities	Date of Updation
1	Computers and Accessories	Regularly
2	Licensed office Vriddhi Software	Regularly
3	Licensed Library Vriddhi Software	Regularly
4	The College Website	Regularly

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio
Answer: 22.83

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
Answer: >=50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)
Answer: No

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years
Answer: 60.31

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

Answer:

2018-19	2017-18	2016-17	2015-16	2014-15
8.86	7.00	6.49	6.33	4.88

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.
Answer:
Laboratories- The institute has well equipped Laboratories, fulfilled with computers, LCD projectors,

Chemistry Laboratory- Chemistry Laboratory is fulfilled with all the essential equipments, chemicals, Ph-meter, Colorimeter, boiling and melting point apparatus. Besides these the department has oven, refrigerator and separate gas pipeline. It is interiorly built with separate tables; chemicals stand to perform their practical work. Explosive chemicals store in protective place.

Physics Laboratory- The Physics Laboratory has adequate facilities to performing the practical work. The department is fulfilled with all the equipments like Spectrometer, Polarimeter, Goniometer, Tomson's App, Electronic Gadgets, Cathode ray Oscilloscope, function generator, Amplifier etc. Almost all the practicals and projects up to graduate level are carried in the Laboratory.

Departments of **Botany** and **Zoology** are fulfilled with all the practical equipments, such as Compound Microscopes, ph-meter, Spectrophotometer, all the essential chemicals, Plants and Animals specimens & models, permanent slides, charts, etc. The demonstration of the practicals of endangered species animals and plants is only through the PPTs, Videos and the models. Educational tours are organized every year for the photography of animals and plant species. Students of Botany subject use the photograph of plant species on the herbarium sheet and submit their projects to the department at the time of Examination.

Geography Laboratory- The Geography Laboratory is fulfilled with Globe, maps and paintable sets. It has one set of computer with internet facility.

Math Laboratory –The department has departmental library. The Laboratory has facility of computer and internet.

Language Laboratory- The linguistic Laboratory has been started since 2007-08. **There are 14 computers with internet facilities provided** to the Laboratory along with all the essential devices. Language Laboratory provides practice in an entertaining and interactive way to acquire the 4 main language skills: listening, speaking, reading, and writing.

Commerce Laboratory has a pseudo bank counter to learn debits and credits and other bank related activities.

Computer Laboratory has been made for the students. All the computers are connected with high definition internet facility.

To avoid any disastrous situation each Laboratory devices have ceasefires. All the Laboratories have adequate staff to help practical work and maintenance of Laboratory.

Library-

The library is the backbone of institute that provides a wide range and right type of information resources that empowers the educational institutions to generate extremely resourceful individuals to influence progressively on nationwide advancement. The library is fulfilled with 25844 books, 39 periodicals and 11 News papers. A central library is serve three major roles in learning are,

1. Practical role in sharing expensive resources or Physical resources such as books and periodicals. It supports by responding to the requests of teachers and students (responsive service) and by initiating activities for teachers and students (proactive services).
2. Libraries serve social and intellectual roles in bringing together people and ideas. This is distinct from the practical role of sharing resources in that libraries provide a physical place for teachers and learners to meet outside the structure of the classroom and
3. The important roles that libraries serve in formal learning are illustrated by their physical prominence on college campuses and the number of courses that make direct use of library services and materials.

Maintenance andUtilization of Library-

1. We take care of the libraries' physical collection ensuring that it is easily accessible to all our patrons and kept in good condition.
2. Our responsibilities include shelving, shifting, sorting, binding, searching for missing items, preservation, and making sure the stacks are presentable and organized.
3. The newspapers are located on the news paper stand.
4. The current periodicals are shelved in the stacks with their respective bound volumes.
5. The maintenance section of a library is entrusted with, the task of physical storage of documents with their orderly arrangement and other related activities.
6. In this unit, you are introduced to these tasks of a library.
7. Plan the work of the maintenance section of a library.
8. It has suitable stacking system, shelf arrangement for documents .
9. Library funds are dedicated to the acquisition of materials. The funds are also spent on commercial binding. Binding costs are charged to the acquisitions budget.
10. The missing books are considered for replacement at the end of the academic year.

Arrangement of books in the shelves-

The appropriate cupboards are used to store the books in such a way that they cannot easily fall off. There are step stools and open shelves provided in the stacks so that patrons can safely access books and materials without damaging them.

The library has made some rules for the staff to make an arrangement and maintenance of the books

The role of the Shelvers/ library staff:

1. Make sure books do not extend beyond the edge of the shelf.
2. Shelve oversize books properly.
3. Straighten books that are leaning.
4. If necessary, shelve books spine down; shelving spine up causes the text block to come loose from the covers.
5. Use book supports (bookends) where needed.

6. Do not keep books so tightly that removing them becomes difficult.
7. Report overcrowded stack areas, and shift materials within the stacks when necessary to remedy this problem.

Cleaning-

1. The staff has made the regular schedule based on need and circumstance to clean the library. For example, spaces between the racks/Shelves, books and other cupboards are usually very dusty all these are regularly get cleaned.
2. Pests, such as insects and mice can cause enormous damage to library materials. So their entry is strictly prohibited in the library. Insect pests like cockroaches, silverfish are regularly controlled by using disinfectants.

Rules for the students-

1. Identity cards and Library cards are provided to the students
2. Issue card/ Library cards are made compulsory to issue the books.
3. Maximum two books can issued by the students .
4. At the entry in the library Identity card is compulsory.
5. Reading room is available for students, is always open from 8.00 a.m.to 12.oo p.m. and 3.00 p.m.to 5.30 p.m.
6. Noise is strictly prohibited .

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document