

Shiksha Mandal's

Bajaj College of Science, Wardha

(Formerly known as Jankidevi Bajaj College of Science)

4th Cycle: Assessment and Accreditation by NAAC



Criterion IV Infrastructure and Learning Resources

QIM 4.1.1

The Institution has adequate infrastructure and physical facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc.



Bajaj College of Science, Wardha

(Formerly known as Jankidevi Bajaj College of Science)
An Autonomous College affiliated to RTM Nagpur University, Nagpur
NAAC Reaccredited 'A' with CGPA of 3.21
(A Linguistic Minority College)



Prof. Pradip. V. Tekade
Principal (Offg.)

Email : jbsciencewardha@yahoo.co.in
pradiptekade@gmail.com

Ref. No. BCS/ /20 -20

Date : 27 DEC 2022

DECLARATION

This is to declare that the information and data furnished as supporting/additional document in the metric 4.1.1 *The Institution has adequate infrastructure and physical facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc.* are true to the best of my knowledge and is verified by IQAC.

Dr. M. R. Chandrakar
IQAC Co-ordinator



Prof. P. V. Tekade
Principal (Offg.)
Offi. Principal
Bajaj College of Science
WARDHA

000002

तालुका निरिक्षक भूमि अभिलेख,
वर्धा.

अक्षरी क्षेत्र

ना. जमाबंदी आयुक्त आणि संचालक
भूमि अभिलेख (म. राज्य) पुणे यांचे
कडील क / ना. भु - १ / मि. प. अक्षरी
नोंद / २०१५ पुणे दि. १६/०२/२०१५
चे परीपत्रकावरचे क्षेत्राची अक्षरी नोंद
घेतली.

अक्षरी क्षेत्र शुद्ध पाच एकावन्न हजार
चौसठ सोडले पाच चौसठ

केरफार फ्र.
२३३५
मंजूर

उप अ. भु. अ.
वर्धा

<p>चे ३६६६ ३०/११/१६</p>	<p>जमालीकरण मो. अ. वि. अ. मो. अ. वि. अ. मो. अ. वि. अ. मो. अ. वि. अ. मो. अ. वि. अ. २८/१०/१६ दि. ५/११/२०१६ अक्षरी</p>	<p>शिक्षा मंडळ वर्धा मो. अ. वि. अ. दि. ११/११/२०१६ ते ३१/३/१९ पत्र लिहून जमालीकरण नोंद फर्ज करण्यात येत आहे.</p>	<p>११/११/२०१६ उ. अ. भु. अ. वर्धा</p>
<p>२२/११/२०</p>	<p>२२/११/२०</p>	<p>प्रमाणित प्रत</p>	
<p>२९/११/२०</p>	<p>२९/११/२०</p>	<p>प्रमाणित प्रत</p>	
<p>१०/११/२०</p>	<p>१०/११/२०</p>	<p>प्रमाणित प्रत</p>	
<p>१०/११/२०</p>	<p>१०/११/२०</p>	<p>प्रमाणित प्रत</p>	



Shiksha Mandal's
Bajaj College of Science, Wardha

(Formerly known as Jankidevi Bajaj College of Science, Wardha)

Autonomous College

(A Linguistic Minority College)

Reaccredited 'A' Institution (CGPA 3.21), NAAC (UGC), Bangalore

College with Potential for Excellence, UGC, New Delhi

Office/Fax : (07152) 230515

Admn. Office : (07152) 241696

Uni. College No. : 802

Jr. College No. : 07-01-003



Jamnalal Bajaj Marg, Civil Line,

WARDHA - 442 001 (Maharashtra)

E-mail : jbsciencewardha@yahoo.co.in

Website : jbsw.shikshamandal.org

Ref No.BC./ /2021-22

Date : 12/01/2022

Regarding internet facility through wi-fi system

The campus of Bajaj College of Science, Wardha is wifi enabled since 2010-11. The wi-fi facility is being updated time to time. We have internet facility as per following details –

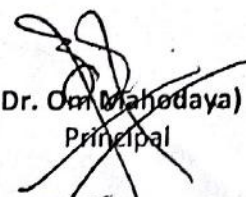
SN	Area covered	Internet Speed	Installation / Upgradation dates
1	Admin office, Maths, Language	25 mbps 50 mbps 100 mbps	31/07/2017 23/11/2017 28/03/2022
2	Principal Office, COE office, Computer Science, ICT Lab, Library, Electronics	10 mbps 40 mbps 100 mbps	27/07/2017 27/11/2017 04/08/2018
3	Life Science Complex – (Botany and Zoology)	50 mbps 100 mbps	06/10/2020 12/02/2022
4	Microbiology, Biotechnology	100 mbps	13/01/2020
5	Classroom area	100 mbps	14/01/2020
6	Classroom area	100 mbps	10/10/2021
7	Physics / Chemistry RUSA building	100 mbps	05/01/2022

Shiksha Mandal's
Bajaj College of Science, Wardha

**Total Number of Computers in Campus for Academic Work
(2021-22)**

SN	Date	Grant	Configuration	Purchased from	No. of Computers	Stock Book Details/ Bill No.
1	28/03/2022	Autonomy	HP i5, Laptop	Pulse Systems, Nagpur	02	Bill No. TM-21-22/621 SBP No. 25
2	30/03/2022	Autonomy	Lenovo – Server	Universal Business System	01	Bill No. PI004 SBP No. 28
3	31/03/2021	Autonomy	Dell i5	Shree Shyam System	04	Bill No. 3116 SBP No. 13
4	30/03/2020	Autonomy	HP i5	Shreyash Technosoft	03	Bill No. 319 SBP No. 13
5	30/03/2019	Autonomy	Dell i3	Shree Shyam System	02	Bill No. 1718 SBP No. 13
6	28/02/2017	CPE	Dell i5	Krishna Infotech	03	Bill No. 6271 SBP No. 120
7	19/01/2017	CPE	Dell i3	Capital Electronics	10	Bill No. 24/12/2017 SBP No. 120
8	19/01/2017	CPE	Dell i3	Capital Electroics	07	Bill No. 24/12/2017 SBP No. 124
9	28/12/2016	CPE	Dell i3	Capital Electronics	15	Bill No. 221 SBP No. 107
10	20/05/2016	Sr Computer	Dell i5	Krishna Infotech	06	Bill no. 690 SBP No. 103
11	31/03/2016	CPE	HP i3	Shree Shyam System	19	Bill No. 563 SBP No. 107
12	06/08/2015	Sr. Computer	HP i3	Shree shyam Systems	15	Bill no. 298 SBP No. 102
13	30/12/2014	CPE	DELL inspiron i5 computers	Prathmesh Computers	01	Bill No. PCS/12/14-15/32 SBP No. 41
14	30/12/2014	CPE	DELL inspiron i3 computers	Prathmesh Computers	01	Bill No. PCS/12/14-15/32 SBP No. 41
15	30/12/2014	CPE	DELL inspiron i3 computers	Prathmesh Computers	06	Bill No. PCS/12/14-15/29 SBP No. 40
16	30/12/2014	CPE	DELL inspiron i3 computers	Prathmesh Computers	05	Bill No. PCS/12/14-15/30 SBP No. 40
17	30/12/2014	CPE	DELL inspiron i3 computers	Prathmesh Computers	03	Bill No. PCS/12/14-15/31 SBP No. 41

SN	Date	Grant	Configuration	Purchased from	No. of Computers	Stock Book Details/ Bill No.
18	29/03/2014	UGC / IQAC grant	Dell i3	Fribzi Computers	02	UGC SBP No. 42 Bill No. No. 8973
19	28/09/2013	UGC MRP Grant	Dell i3	Anand Computers	01	UGC Stock Book- Physics SBP No. 11 Bill No. 16013
20	14/03/2014	UGC	Dell i3	Fribzi Computers	07	Bill No. 8940 UGC SBP No. 41
21	08/11/2013	Sr. Computer	HP	Shreyash Infotech	02	Bill No. 561 SBP No. 152
22	29/08/2013	Sr Computr	i3, 2GB	Fribzi Technologies	05	Bill no. 8651 SBP No. 101
23	29/03/2013	UGC (Additional Assistance)	i5	Fribzi Computers	02	Bill No. 8476 UGC SBP No. 36
24	09/02/2013	Dr S.S. Zade Major Project	Sony Laptop	Zoom Computers	01	Bill No. SB12/688 SBP No. 02
25	14/09/2012	UGC/Add on Electronics	Assembled i5	Epsilon Technologies	12	Bill No. 237 Electronics SBP No.
26	05/12/2011	UGC Add On – CLT	i5 Laptop	Infosoft Computers	01	Bill No. 077 CLT Stock Book Page no. 8
27	02/12/2010	UGC	Computers	Evolve Infotech Pune	02	Bill No. 382 SBP No. 2
28	30/11/2010	Sr College	HCL – AMD Athlon	Shiksha Mandal	14	Bill No. 381A SBP No. 30
29	30/11/2010	Sr College	HCL – i3	Shiksha Mandal	02	Bill No. 382 SBP No. 29
30	22/02/2009	Sr College	HCL – Dual Core	Shiksha Mandal	13	Bill No. 238 SBP No. 10
	Total				167	


 (Dr. Om Mahodaya)
 Principal
 Principal
 Bajaj College Of Science,
 Wardha.



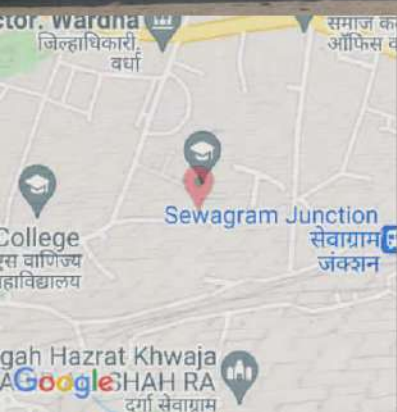
Wardha, MIDC, Chichala, Maharashtra 442001, India

	Decimal	DMS
Latitude	20.739882	20°44'23" N
Longitude	78.6135	78°36'48" E

2021-12-16(Thu) 11:42(am)



24°C
75°F



Wardha, MIDC, Chichala, Maharashtra 442001, India

	Decimal	DMS
Latitude	20.739739	20°44'23" N
Longitude	78.614106	78°36'50" E

2021-12-16(Thu) 11:26(am)



24°C

75°F



PJR8+92C, MIDC, Chichala, Maharashtra 442001, India

	Decimal	DMS
Latitude	20.741283	20°44'28" N
Longitude	78.614847	78°36'53" E

2021-12-16(Thu) 05:15(pm)



24°C

75°F





जमुनालाल मार्ग, मोदक, वर्धा, महाराष्ट्र 442001, India

	Decimal	DMS
Latitude	20.74056	20°44'26" N
Longitude	78.614123	78°36'50" E

2021-12-16(Thu) 11:34(am)



24°C

75°F

RUSA

Rashtriya Uchchatar Shiksha Abhiyan

CENTRALIZED INSTRUMENTATION ROOM

Shiksha Mandal's
Jankidevi Bajaj College of Science
Wardha

Centralized Instrumentation Centre About the Laboratory:

The Central Instrumentation Laboratory, at Jankidevi Bajaj College of Science, Wardha has been established with an objective of providing a central facility of latest and advanced analytical techniques for research in various areas of science and technology. It houses several sophisticated and modern analytical equipments offering its users, a wide range of analytical methods/techniques for analysis/testing/characterization. This facility can be used by undergraduates, post graduate, doctoral students and faculty members. The facility is also extended to external organizations (mainly academic institutions) in the nearby region, on chargeable basis. This facility can also be used for organizing short term courses/workshops on the use and application of various advanced instruments and analytical techniques.

General Instructions:

- Do not enter the laboratory without prior intimation to the laboratory in-charge.
- Do not bring food/beverages inside the laboratory.
- Do not carry any inflammable substance inside the laboratory.
- Kindly remove your footwear outside the laboratory and enter with lab slippers only.
- Turn off your mobiles before entering the laboratory.
- Enter your name in the log book kept in the entrance of the laboratory.
- Help to maintain complete dust free atmosphere inside the laboratory.
- Instruments will be handled only by the authorised persons in the laboratory.
- Do not touch or change the setting of any instrument.
- Use of pen drives is strictly prohibited in all computers in the laboratory.
- The computers in laboratory will be used only for analysis and processing of data. Do not insist to use it for any personal work.
- Samples for analysis will only be accepted by pre-requisition form details of which are available on college website (<http://jbsw.shikshamandal.org/>)
- For any query, reach us via e-mail jbsw_cic@gmail.com



Wardha, PJQ7+XC7, MIDC, Chichala, Maharashtra 442001, India

	Decimal	DMS
Latitude	20.739652	20°44'22" N
Longitude	78.613515	78°36'48" E

2022-11-21(Mon) 02:52(pm)



26°C

79°F



Shiksha Mandal's
**Jankidevi Bajaj College of Science
Wardha**

X-RAY DIFFRACTOMETER (XRD)
MODEL: RIGAKU(MINIFLEX 600)

Determination of unknown solids is critical to studies in chemistry, biological science, environmental science, material science. X-ray diffraction (XRD) is a rapid, analytical technique primarily used for phase identification of a crystalline material and can also provide the information on unit cell dimensions. This study can also reveals out the impurity in the material with the detection of impure phase. X-ray powder diffraction is most widely used for the identification of unknown crystalline materials (e.g. minerals, inorganic compounds). XRD technique uses the high energy beam of X-rays eliminated from a metal target and diffracts through the matter/specimen giving out the structural information about the same. It works on the principle of Bragg's law of diffraction.

The Rigaku's MiniFlex 600 is a fully featured, general purpose table top X-ray diffractometer. It is a multipurpose analytical instrument that can determine: phase identification and quantification, percent (%) crystallinity, crystallite size and strain, lattice parameter refinement, Rietveld refinement, and molecular structure. It is coupled with special analysis software PDXL which offers new functionality, including a fundamental parameter method (FP) for more accurate peak calculation, phase identification using the Crystallography Open Database (COD), and a wizard for ab initio crystal structure analysis.



Wardha, PJQ7+XC7, MIDC, Chichala, Maharashtra 442001, India

	Decimal	DMS
Latitude	20.739664	20°44'22" N
Longitude	78.613483	78°36'48" E

2022-11-21(Mon) 02:57(pm)



26°C
79°F