

Shiksha Mandal's  
**Bajaj College of Science, Wardha**  
(Autonomous)

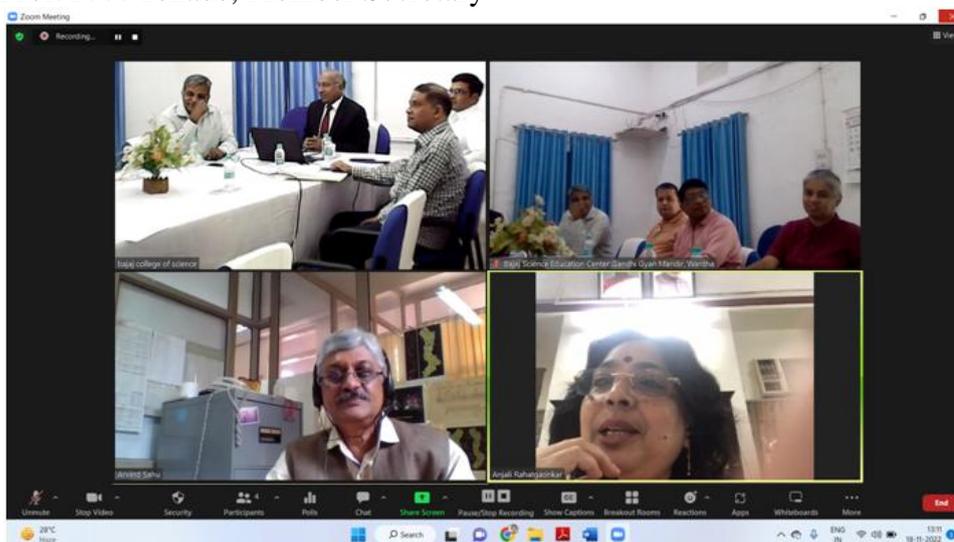
Ninth meeting of the Governing Body of Bajaj College of Science, Wardha was held on Friday, November 18, 2022 at 12.00 noon in the Conference Room of Bajaj College of Science, Wardha. Online mode of the meeting was also made available for the members who were unable to join the meeting physically at Bajaj College of Science, Wardha.

Agenda of the meeting was –

1. Confirmation of minutes of meeting held on 05/05/2022
2. Approval to the recommendations made by Academic Council
  - Approval to the revised syllabus, examination pattern and grading system approved by BOS (September 2022).
  - Discussion on New Education Policy
  - Code of Research Ethics and Conduct of Researchers
3. Results under Autonomy
4. Details of the regular courses run by the college
5. Status of the certificate courses
6. Awards and Prizes
7. Various activities in the college during the year 2022-23
8. Current activities and upcoming tasks/plans
9. Approval for the budgetary proposals passed by the finance committee
10. Any other point with the permission of the Chairman

Following members were present online for the meeting –

- 1) Shri. Sanjay Bhargava, Chairman
- 2) Dr. W.N. Gade, Member
- 3) Dr. Arvind Sahu, Member (Attended online)
- 4) Dr. Anjali Rahatgaonkar, Member (Attended online)
- 5) Shri. Anurag Bajaj, Member
- 6) Dr. S.H. Bagade, Member
- 7) Shri. Bhupendra Lohiya, Special invitee
- 8) Dr. M.R. Chandrakar, Special invitee
- 9) Dr. P.F. Dhabarde, Special invitee
- 10) Prof. P.V. Tekade, Member Secretary





Prof. P.V. Tekade, Offg. Principal welcomed the Chairman and all the members in the meetings.

Prof. Tekade started the meeting. Following agenda was discussed in the meeting -

**Agenda 1 : Confirmation of the minutes of the last governing body meeting dated 05/05/2022.**

Minutes of the last governing body meeting dated 05/05/2022 were already circulated to the hon'ble members for their suggestions and confirmation. In this meeting members approved the minutes of the last meeting unanimously.

**Agenda 2 : Approval to the recommendations made by Academic Council :**

**Approval to the revised syllabus, examination pattern and grading system approved by BOS (September 2022).**

The new scheme of teaching and examination reflecting NEP 2020 was incorporated into the syllabi. Accordingly the syllabi of B.Sc. Sem I and Sem II and M.Sc. Sem I and Sem II were revised by the respective Boards of Studies and approved by the Academic Council. Governing body accorded its approval to the changed syllabi.

Upon the recommendation of the Academic Council regarding the time duration of the examinations Governing Body expressed that the time duration of the examination can be changed i.e. providing a question paper 15 minutes before the commencement of the examination for a year or two. But it denied forever change in time duration for examinations.

## Grading System :-

ShikshaMandal's  
**Bajaj College of Science, Wardha (Autonomous)**  
 Affiliated to RTM Nagpur University, Nagpur

**Teaching and Examination Scheme**  
**Bachelor of Science (B. Sc.) Three Year (Six Semesters) Degree Course**  
 Semester I and II

Teaching Scheme						Scheme of Examination						
Subject	Theory (per week)	Activity (per week)	Tutorial (per week/ per batch)	Practical (per week/ per batch)	Total Credit	Duration (Hrs.)	TH Max. Marks	CIE Max. Marks	Practical Max. Marks	Total Marks	TH+CIE Min. Marks	Practical Min. Marks
English Compulsory	2	2	1	-	3.2	3	60	15	-	75	30	-
Second Language	2	1	-	-	2.0	3	60	15	-	75	30	-
Subject with Tutorial	4	2	1	6	7.2	3	100	20	30	150	48	12
Subject without Tutorial	4	2	-	6	6.4	3	100	20	30	150	48	12
Mathematics each paper	2	2	1	--	3.2	3	60	15	-	150	60	-

Credit Calculations				
Particulars	Theory	Tutorial	Practical	Activity
Duration	48 minutes	48 minutes	48 minutes	48 minutes
Credit	0.8	0.8	0.4	0.4

Abbreviations: TH: Theory, TU: Tutorial, CIE: Continuous Internal Evaluation

**Teaching and Examination Scheme**  
**Master of Science (M. Sc.) Two Year (Four Semesters) Post Graduate Degree Course**  
*For the Subject other than Mathematics*  
 Semester I and II

Teaching Scheme				Scheme of Examination						
Paper	Theory (per week)	Practical (per week/ per batch)	Total Credit	Duration (Hrs.)	TH Max. Marks	CIE Max. Marks	Practical Max. Marks	Total Marks	TH+CIE Min. Marks	Practical Min. Marks
I	4	-	4	3	80	20	-	100	40	-
II	4	-	4	3	80	20	-	100	40	-
III	4	-	4	3	80	20	-	100	40	-
IV	4	-	4	3	80	20	-	100	40	-
Practical I	-	8	4	3-8	-	-	100	100	-	40
Practical II	-	8	4	3-8	-	-	100	100	-	40
Seminar	2	-	1	-	-	25	-	25	10	-

Credit Calculations		
Particulars	Theory	Practical
Duration	60 minutes	60 minutes
Credit	1	0.5

Abbreviations: TH: Theory, CIE: Continuous Internal Evaluation

**Teaching and Examination Scheme**  
**Master of Science (M. Sc.) Two Year (Four Semesters) Post Graduate Degree Course**  
*Subject: Mathematics*  
Semester I and II

Teaching Scheme					Scheme of Examination				
Paper	Theory (per week)	Credit			Duration (Hrs.)	TH Max. Marks	CIE Max. Marks	Total Marks	TH+CIE Min. Marks
		Th	Internal Assessment	Total					
I	4	4	1	5	3	100	25	125	50
II	4	4	1	5	3	100	25	125	50
III	4	4	1	5	3	100	25	125	50
IV	4	4	1	5	3	100	25	125	50
V	4	4	1	5	3	100	25	125	50

Credit Calculations	
Particulars	Theory
Duration	60 minutes
Credit	1

Abbreviations: TH: Theory, CIE: Continuous Internal Evaluation

### Discussion on New Education Policy :

It was suggested by the members of the Academic Council to incorporate an academic bank of credits for the students and also suggested that faculty and students be encouraged to participate in SWAYAM courses of UGC as a part of skill enhancement.

Upon this Governing Body suggested that interdisciplinary courses can be introduced from the cluster of interdisciplinary colleges. For the single-faculty college one can earn extra credit by opting for subjects from other departments. (Students of mathematical sciences can earn extra credit in the opting subject of biological sciences). Regarding the online courses in NEP, governing body opined that a maximum of up to 40% credit can be earned through online courses.

Prof. Gade conveyed that the NEP is to be implemented gradually over the period up to 2030. Prof. Tekade expressed that in the initial stage college will follow the UGC and university guidelines regarding the implementation of NEP 2020.

### Code of Research Ethics and Conduct of Researchers :

Members of the Governing Body discussed on the “Code of Research Ethics and conduct of researchers (Annexure1)”. They expressed their satisfaction on the code of research ethics prepared by the college. Prof. Tekade informed the meeting that college is using Ouriginal (urkund ) for plagiarism check. Governing body suggested to encourage students to write in their own words. It also suggested to use grammerly app for improving writing skill. Prof. Tekade revealed that the plagiarism for M.Sc. projects will be checked and the students will be encouraged for writing in their own words and use of grammerly app for writing skills.

**Agenda 3 : Results under Autonomy :****RESULT SUMMER 2022 EXAMINATION**

S.N.	Semester	Dist.	First Class	Second Class	Third Class	Appeared	Passed	Failed	% of Passing
1	B.Sc II	6	22	13	0	255	41	214	16.08
2	B.Sc IV	11	27	26	0	240	64	176	26.67
3	B.Sc. VI	15	63	52	0	250	130	120	52.00
4	M.S.c II ( Botany )	0	0	0	0	24	0	24	0.00
5	M.S.c IV ( Botany )	1	7	1	0	19	9	10	47.37
6	M.S.c II ( Chemistry )	1	9	3	0	25	13	12	52.00
7	M.S.c IV ( Chemistry )	1	13	2	0	23	16	7	69.57
8	M.S.c II ( Microbiology )	2	7	3	0	26	12	14	46.15
9	M.S.c IV ( Microbiology )	2	14	1	0	26	17	9	65.38
10	M.S.c II ( Zoology )	0	2	1	0	21	3	18	14.29
11	M.S.c IV ( Zoology )	2	13	2	0	22	17	5	77.27
12	M.S.c II ( Matematics )	0	3	6	1	25	10	15	40.00
13	M.Sc. IV (Mathematics)	0	5	10	3	26	18	8	69.23

**RESULT WINTER 2021 EXAMINATION**

S.N.	Semester	Dist.	First Class	Second Class	Third Class	Appeared	Passed	Failed	% of Passing
1	B.Sc I	50	106	36	0	276	192	84	69.57
2	B.Sc III	37	123	55	0	243	215	28	88.48
3	B.Sc V	77	142	27	0	253	246	7	97.23
4	M.S.c I ( Botany )	0	3	18	0	24	21	3	87.50
5	M.S.c III ( Botany )	0	3	16	0	19	19	0	100.00
6	M.S.c I ( Chemistry )	22	3	0	0	25	25	0	100.00
7	M.S.c III ( Chemistry )	10	11	1	0	23	22	1	95.65
8	M.S.c I ( Microbiology )	8	14	0	0	26	22	4	84.62
9	M.S.c III ( Microbiology)	6	17	2	0	26	25	1	96.15
10	M.S.c I ( Zoology )	0	9	13	0	22	22	0	100.00
11	M.S.c III ( Zoology )	1	11	9	0	22	21	1	95.45
12	M.S.c I ( Matematics )	7	16	0	0	25	23	2	92.00
13	M.S.c III ( Matematics )	1	23	2	0	26	26	0	100.00

Governing body noted the results.

**Agenda 4 : Details of the regular courses run by the college :**

Name of the Course	Intake	Admitted 2022-23
B.Sc. I	320	275
B.Sc. II	320	243
B.Sc. III	320	200
<b><u>Subject wise combinations</u></b>		
<b>Maths Section</b>		
Phy-Chem-Mth, Phy-Ele-Mth, C/S-Ele-Mth, Phy-C/S-Mth		
<b>Biology Section</b>		
BT-MB-Chem, BT-Bot-Chem, BT-Zoo-Chem, Bot-MB-Chem, MB-Zoo-Chem, Bot-Zoo-Chem		

Name of the Course	Intake	Admitted 2022-23
M.Sc. I Botany	22	16
M.Sc. II Botany	22	24
M.Sc. I Chemistry	22	22
M.Sc. II Chemistry	22	20
M.Sc. I Microbiology	22	22
M.Sc. II Microbiology	22	24
M.Sc. I Zoology	22	19
M.Sc. II Zoology	22	20
M.Sc. I Mathematics	22	16
M.Sc. II Mathematics	22	17
Ph.D. (Botany)	10	4
Ph.D.(Chemistry)	10	4

Governing body noted the information.

#### Agenda 5 : Status of the Certificate Courses :

Name of the course	Enrolment 2021-22
Carrier Oriented Course in Clinical Laboratory Technology	40
Carrier Oriented Course Herbs and Herbal products	08
Certificate Course in Nanoscience and Nanotechnology	32
Certificate Course for PG in Statistical Analysis using R (Alternate year)	32
Software based “Spoken tutorial program” which is being promoted by IIT, Mumbai	271
Computer Awareness Course	279
PG Diploma in Clinical Research	25
Certificate Course in Industrial Waste Water Management	36
Certificate Course in Vermicompost Technology	08

Prof. Gade suggested that “Certificate Course for PG in data analytics using Python” be started. He also suggested certificate courses in collaboration with pharmaceutical companies, bio-instrument engineering.

#### Agenda 6 : Awards and Prizes :

Graduation ceremony of Bajaj College of Science, Wardha (Autonomous) is scheduled on the 19<sup>th</sup> of November, 2022.

Following prizes would be given to the passed out students scoring highest positions.

I : Prizes for B.Sc.

Shiksha Mandal’s Gold Medal

A student scoring highest marks in science subjects in three year degree course

II : Prizes for B.Sc. (Subjectwise – Electronics, Computer Science, Physics, Chemistry, Botany, Zoology, Microbiology, Biotechnology, Mathematics)

Shiksha Mandal's Gold Medal

A student scoring highest marks in respective subject in all semester combined

III : Prizes for M.Sc. (Chemistry, Botany, Zoology, Microbiology, Mathematics)

Shiksha Mandal's Gold Medal

A student scoring highest marks in respective M.Sc. Subject Two year P.G. degree course.

Note : A student availing additional attempt for passing any subject will not be considered for prize.

Governing body noted the information.

### **Agenda 7 : Various activities in the college during the year 2022-23.**

#### **Department of Physics :**

- A workshop on “Start up Plans : Legal and Ethical Steps” was organized on 15<sup>th</sup> July, 2022 in collaboration with IIC
- “Hands on activity : Telescope making” is in process. This activity is scheduled for final year UG students. Students and department have the plan of fabricating and selling 3 telescopes by the end of the session, This activity aims at building entrepreneur attitude in the students and to begin departmental consultancy.
- In order to develop understanding of instrumentation and fabrication in students in the field of Physics, group projects are assigned to all the students of Physics. These activities help in fabrication of low cost experiments for laboratory. This also encourages research attitude among students.
- An excursion tour to Raman Science Center was organized for second year UG students of Physics on 27<sup>th</sup> September 2022.
- Poster making competition was organized on 30<sup>th</sup> August 2022 for second year UG students of Physics. This activity helps to develop the knowledge of Physics through skill enrichment program.

#### **Department of Chemistry :**

- A workshop on Intellectual Property Rights (IPRs) and IP management for start up was held on 29/09/2022. By this program students gained the knowledge of various intellectual properties, innovations, necessary steps to follow research ethics.
- A lecture on Intellectual Property Rights (IPRs) Day celebration was organized on 08/09/2022 for PG students.
- Hands on training on Gnomio cloud-ICT learning environment was organized on 20/09/2022 for UG students. This blended mode of teaching provides students a platform for the submission of assignment, accessing lectures, videos, quiz, study material, e-content.
- Inter-collegiate Seminar Competition was organized on 22/09/2022 for UG and PG student. This activity helps students to develop persuasive speech, present information in a compelling, well-structured, and logical sequence, respond respectfully to opposing ideas, show depth of knowledge of complex subjects, and develop their ability to synthesize, evaluate and reflect on information.
- An orientation programme on Carrier Awareness was organized for UG students on 21/09/2022. This activity aims at assisting students in learning about job opportunities in their intended career path.

- To provide platform for the students to arrange different activities in Chemical society, “NET SET Guidance; Inauguration of Chemical society” was arranged on 20/09/2022 for UG and PG students. arranged.

#### **Department of Botany :**

- Inaugurated Botanical Society on 06/09/2022.
- Excursion to Mushroom Farm was arranged on 07/09/2022 for PG students.
- “Trash to Garden” activity was carried out to celebrate wildlife week on 10/10/2022.

#### **Department of Zoology :**

- Weekend Science Talk was organized in association with Bajaj Science Center, Wardha on 11/09/2022 for UG, PG and school students on the topic Drosophila a versatile model system by Dr. Kanchan Pathak.
- Wild life week(1<sup>st</sup> to 7<sup>th</sup> October) was celebrated. Post card painting competition on ‘Wild Life’ was organized for UG and PG students. On 4<sup>th</sup> October (World animal day and wild life week) Guest lecture by Mr. Rupesh Khedkar RFO, Wardha was organized on the topic mitigation of human wild life conflicts.

#### **Department of Microbiology :**

- A guest lecture on “Incubation Opportunities for Students and Faculties” by Dr. Abhay Deshmukh, RTM University Incubation Center, Nagpur was organized for UG and PG students on 09/07/2022.
- Quiz Competition "The Right Guess" under "Micromania 2022" was organized for UG students on 24/08/2022 in association with RICH club.
- Fermented Food Fest Competition and Expo was organized on 25/08/2022 for UG and PG students in association with RICH club.
- Mr. Aditya V. Bhaskarwar from MSc Microbiology qualified CSIR NET LS and GATE.
- Ms. Ayushi D. Chaudhari qualified CSIR NET JRF.
- Ms. Shreya N. Patil and Mr. Tejas Dhepe (BSc III) qualified IIT-JAM (Biotechnology)
- Seminar Competition on World Rabies Day and Death anniversary of Scientist 'Louis Pasteur' was organized on 28/09/2022.
- for different subjects were arranged.

#### **Department of Biotechnology :**

- Biotechnology Orientation Programme and Vaccine Awareness Poster Exhibition was organized on 29/08/2022.
- Biotechnology Open Day was organized on 17/09/2022.
- A workshop for ZP Teachers on Basic Techniques in Biotechnology Field was organized on 22/09/2022 for ZP teachers.

#### **Department of Mathematics :**

- NET SET guidance by Prof G.L. Waghmare was organized for PG students on 20/07/2022.
- Guest Lecture by Prof R.K Agrawal was arranged for UG students on 20/07/2022.
- Competitive exam guidance by Prof Bhake was arranged for UG students on 20/07/2022.
- Students seminars were conducted on 27<sup>th</sup> August, 2022 for UG and PG students.
- different subjects were arranged.

#### **Department of Electronics :**

- Seminars for students were conducted in July 2022.
- Guest lecture on Cyber Awareness by Shri. Mahendra Ingale, Asst. Police Inspector, Cyber Cell, Wardha on the occasion of celebration of "Azadi Ka Amrit Mahotsav" was organized for teachers and students on 13/08/2022 by department of electronics and computer science.

**Department of Languages :**

- Guest lecture on awareness about “Rajbhasha Hindi” by Dr. Anil Dubey, MGIH University, Wardha was organized on 14/09/2022.

**Library :**

- Library orientation and book reading activity was conducted on the occasion of Librarian day on 12/08/2022.
- To create awareness about library Resources and to develop reading habit among students “Library Orientation and Book Reading” activity was organized on 08/09/2022 for newly admitted UG students.
- To create awareness about Innovation in Science and Technology “Educational Film Screening” was organized on 09/09/2022 for PG students.
- To create awareness about library Resources and to develop reading habit among students “Librarian Orientation for PG Students” was organized on 12/09/2022 for students and staff.

**RICH Club :**

- ‘Elocution Competition’ for UG and PG students on the occasion of International Tiger Day on 29<sup>th</sup> July. 2022.
- Seminar on “Converting Innovation into Start-up” on 6<sup>th</sup> Aug. 2022.
- Participation of four students in “Intercollegiate online poster competition on creating awareness about COVID-19” organized by Department of Microbiology, Sathaye College in association with Microbiologists Society, India on 21<sup>st</sup> Aug. 2021 in which Ms. Javeria Qureshi from BSc Sem V got Second Prize.
- Online Poster Competition and Exhibition under "Micromania 2022" on 23<sup>rd</sup> Aug. 2022.
- Workshop on "IT Awareness and Office Skills for Supporting Staff" 19<sup>th</sup> Sept. 2022.

Governing body noted the information.

**Agenda 8 : Current activities and upcoming tasks/plans :**

- Preparation for Fourth cycle of NAAC Accreditation
- Proposal for extension of Autonomous Status is submitted.
- Graduation Ceremony for the students under Autonomy is scheduled on 19<sup>th</sup> November, 2022.
- Shortlisted for the DST FIST-project. This project is considered under “ R & D infrastructure Division and DST FIST for PG College Level A”. Presentation and interaction for the same was held on 01/11/2022.
- University committee visited college for granting recognition to department of Microbiology and Zoology of this college as a place of ‘Centre for Higher Learning and Research’.
- University committee visited college for granting continuation of recognition to the department of Botany and Chemistry of this college as a place of ‘Centre for Higher Learning and Research’ .
- Application to start PG course in Physics and UG statistics from academic year 2023-24 will be sent in March 2023.
- Multidisciplinary courses in view of National Education Policy.
- Starting a certificate programme in "Banking, Finance and Insurance" organized by Bajaj Finserve from December 22/January 23.

With respect to the Ph.D. programmes in the college Prof. Gade suggested to have involvement of co-guide from industries and experts from the related field.

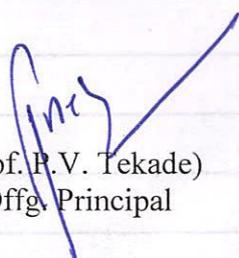
**Agenda 9 : Approval for the budgetary proposals passed by the finance committee :**

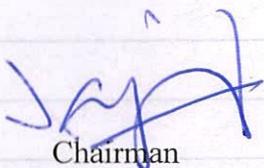
Meeting of the Finance Committee was held on October 19, 2022. Finance Committee has passed the budgetary proposal as per following for 2022-23.

<b>Sr. No.</b>	<b>Nature and Patterns of Financial Assistance and Other enabling provisions.</b>	<b>Proposed Budget (Rs. in Lakh)</b>
1	Upgradation of syllabus on regular basis making it skill oriented with quantifiable outcomes.	1.50
2	Orientation and retraining of teachers	0.25
3	Re-designing courses and development of teaching / learning material.	1.25
4	Workshop and Seminars.	1.50
5	Examination reforms (Exam Software, Computer, Xerox Machine)	2.00
6	Furniture for Office, Classroom, Library and Laboratories, Library equipments, books / journals.	2.00
7	Renovation and repairs not leading to construction of new building	1.50
8	Extension Activities	0.50
9	Office Equipments, Teaching aids and Laboratory Equipments.	2.00
10	Guest / Visiting Faculty	0.50
11	Capacity building for teachers.	0.50
12	Development of Area Study Programmes.	0.50
	<b>Total Rs. (in Lakh)</b>	<b>14.00</b>

Governing body approved the budget recommended by the Finance Committee.

As there were no point to discuss, meeting ended with the vote of thanks by Prof. P.V. Tekade.

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

  
Chairman  
Governing Body