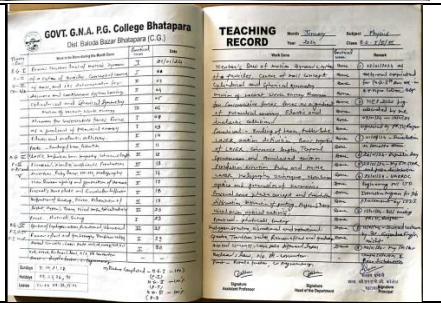
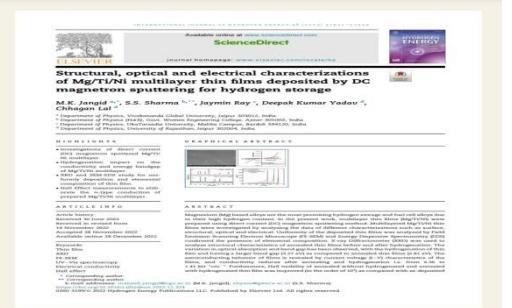
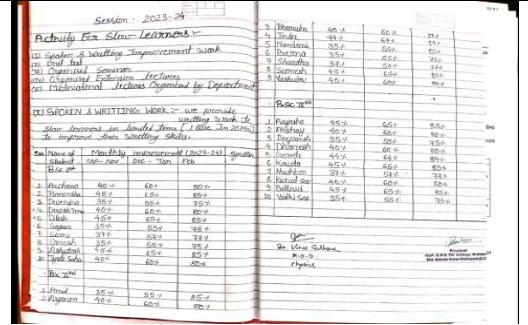


Department of Physics
Govt. G.N.A. P.G. College, Bhatapara C.G.
Annual Report 2023-24

SN	TYPE	STATUS	REMARK		
1	Attendance register	Yes	Filled according with academic calendar		
pp2	Daily Diary	Yes	Filled according with academic calendar		
3	Unit and internal test	Yes	Filled according with academic calendar		
4	Pre university	Yes	Filled according with academic calendar		
5	Extension Lecture	01	Dr. Gajendra Singh Bisth UP Higher Education 15/01/24	 <p>Bhatapara, Chhattisgarh, India PWVX+QPX, Gurunanak Ward, Bhatapara, Chhattisgarh 493118, India Lat 21.747601° Long 81.949266° 15/01/24 12:11 PM GMT +05:30</p>	
6	Model presentation	06	In DWPS School BYT, IN 17 th Maths Convention prg. 30/12/2023 06- Students participated in program from the GNA college	 <p>Bhatapara, Chhattisgarh, India PWVX+QPX, Gurunanak Ward, Bhatapara, Chhattisgarh 493118, India Lat 21.747601° Long 81.949266° 02/02/24 01:08 PM GMT +05:30</p>	

7	SEDI Program	01	By Shri Sanjeev Vastrakar P.O. ACF SEDI	
8	Admission Enrolled	2023-24	List Attatched	
9	Result	2022-23	List Attatched	
10	Paper Publication	01-Published 01-In process	<p>1-Deepak Kumar Yadav published</p> <p>2-Deepak Kumar Yadav & Dr. Vikas Gulhare</p> <p>Published in IJRRR Journal</p> <p>3-Dr. Preeti Soni and Vikas Gulhare</p> <p>Published in IJSR Journal</p>	
11	Patent	01 registered	01- Dr. Vikas Gulhare	Chetosan used as heavy water removal materials
12	Book Writing	01	B. Sc. First Year Physics Prabodh (Hindi medium) 01- Dr. Vikas Gulhare	
13	FDP program attend	04		03- Dr. Vikas Gulhare 01-Deepak Kumar Yadav
14	Paper reviewed	02	01- Dr. Vikas Gulhare	
15	Membership in editorial board IJSR	01	01- Dr. Vikas Gulhare	IJSR Journal Open access Certificate enclosed
16	Membership	01	01- Dr. Vikas Gulhare	Physics BOS of Pt. PRSU Raipur

	of University board			Certificate enclosed
17	Central BOS In CG	01	01- Dr. Vikas Gulhare	Physics, CG state Certificate enclosed
18	Slow & advanced learner record	Yes	UG level	
19	ICT class	Yes	Register maintained	 
20	Faculty	Post-02 Filled- 02	Dr. Vikas Gulhare Deepak Kumar Yadav	Office maintained record
21	Lab. Technician	Post-01 Filled- 01(JB)	Tarun Kumar Verma	Office maintained record
22	Lab Attendant	Post-01 Filled- NIL	-----	-----
23	Department Time table	Yes	Attached File	Available
24	Stock register	Yes	Maintained	Available
25	Invited Talk	Yes	01- Polytechnique College Bhatapara	 <p>With letter</p>

26	Judge in program	17 th maths convention program	Organized by DWPS School , Arjuni Bhatapara	
27	Tutorial and Discussion	Additional Classes done by Department	Attach photograph	 Bhatapara, Chhattisgarh, India PXV2+P2P, Surajpura Rd, Gurunanak Ward, Bhatapara, Chhattisgarh 493118, India Lat 21.748901°, Long 81.848901° 20/01/24 01:46 PM GMT +05:30
28	Quiz competition	Science Day 28/02/2024	<p>1. Priya patre – Msc IIIrd sem. Chemistry</p> <p>1. kirti yadu Bsc 1st year Maths</p> <p>2. Nadani gayakwad Msc IVth sem. Chemistry</p> <p>2. Sheetal dewangan Msc IVth sem. Chemistry</p> <p>Attached press note</p>	 Bhatapara, Chhattisgarh, India Sant Mata Karma Ward, PWXW+P2P, Gurunanak Ward, Bhatapara, Chhattisgarh 493118, India Lat 21.747119°, Long 81.94823° 28/02/24 12:46 PM GMT +05:30

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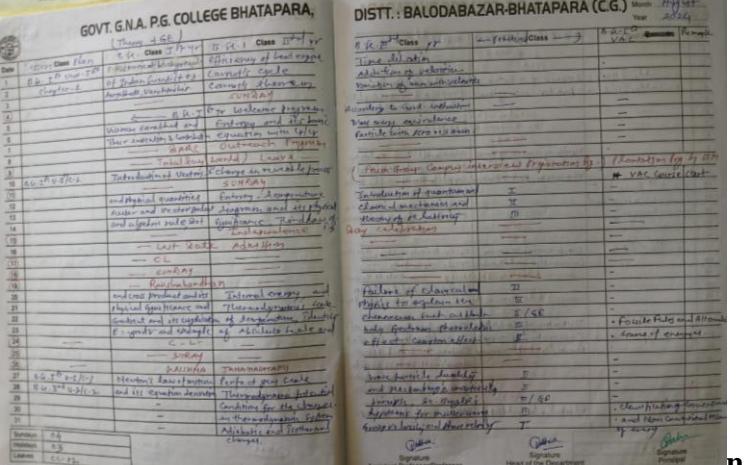
Admission Enrolled in 2023-24

No. of Students	UG-01 yr	UG-02 yr	UG-03 yr
Appearing	65	37	54

Result 2022-23

No. of Students	UG-01 yr	UG-02 yr	UG-03 yr
Appeared	66	112	80
Passed(M+F)	31(11+20)	39(16+23)	44(21+23)

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Annual Report 2024-25

SN	TYPE	STATUS	REMARK	
1	Attendance register	Yes	Filled according with academic calendar	 <p>Encl</p>
2	Daily Diary	Yes	Filled according with academic calendar	 <p>E</p>

3	Unit and internal test	Yes	Filled according with academic calendar	15 Sc. 3rd year Unit test - 2 Physics - E Date - 30/09/2024 Page Number - 10 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 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7	SEDI ,SIDI Programs			 <p>भाटापारा:- जीएनए कॉलेज में स्पेश डिजाइन पर कार्यशाला का हुआ आयोजन - KHABA... भाटापारा:- (खबर-भाटापारा) शासकीय गजानंद अग्रवा... khabar-bhatapara.in</p> <p>भाटापारा:- जीएनए कॉलेज में स्पेश डिजाइन पर कार्यशाला का हुआ आयोजन https://khabar-bhatapara.in/?p=7316</p> <p>22:46</p>
8	Admission Enrolled		List Attatched	
9	Result		Report Enclosed	

A Review of Nanotechnology and Its Application

Vikas Gulhare

Department of Physics, Govt. G. N. A. P. G. College, Bhupura (C. G.) 493118, India
Email: vikasgulhare123@gmail.com

Abstract: Nanotechnology is new frontier of this century. Numerous advantages of nanotechnology depend on its capacity to modify materials at incredibly small scales to attain certain features that would significantly improve the materials science toolkit. Considering the molecules and interacting groups of molecules in connection to the bulk macroscopic qualities of the material becomes necessary when controlling the underlying molecular structure, which provides control over the macroscopic chemical and physical properties. The main application and scientific, technological facets of nanotechnology are explained in this overview.

Keywords: Nanotechnology and its Applications

1. Introduction

Nanotechnology has been employed in industries for different industrial applications and grows exponentially over few decades [1]. It has a great significant impact on medical equipment like imaging probes, drug delivery systems, and diagnostic biosensors in the pharmaceutical communities of practice. According to Morris [2] nanotechnology is the application of knowledge and control over matter at dimensions between 1 and 100 nm, where special physical features enable the development of novel applications. Hobson [3] said Nanotechnology, is the advancement of man - made or designed particles with dimensions in the nanoscale range (1 - 100nm). A field of expertise deals with objects and materials with nanoscale structures. Nanotechnology has created better power densities to maintain the storage charge that is employed for various battery types with reduced inflammable possibilities, and conversion of waste heat in nano - machine to useful energy. More so, solar film solar panels are being built by scientists that can be mounted to machines cases and lightweight piezo - electric nano - wires to produce usable energy from wind, friction, and body heat to operate mobile electronic equipment [5 - 6]. Nanoscale and sensors can help to deliver cost - efficient structural control of roads, bridges, trains, parking structures, and flooring over time. In the medical field, nanotechnology is being studied to improve injuries to the spinal cord or brain cells, or nerve cells. According to Matthew [8] nanotechnology creates multidimensional impacts on societies as the benefits are manifested daily. As scientists take advantage of atomic and molecular assemblies that are constructed at the nanoscale, nanotechnology has emerged as one of the emergent scientific initiatives of the early 21st century. This review explores the significant advancements in nanotechnology, its wide applications and future prospects.

2. Nanotechnology and its applications

The nanotechnology is a transforming skill that tends to stimulate scientific innovation while greatly benefiting society and its applications are reflected in the medical field, computing, engineering, etc.

2.1 Applications of nanotechnology in electronics

At nanoscale, materials have novel properties like increased strength, resiliency, electrical conductivity [7, 8]. Kumar et al. [9] studied the development of various signal transduction techniques using nanomaterials in the realm of biological and chemical analyses changing biosensors, and enabling *in vivo* research. Results from nanotechnology - based encouraging. This is accorded to their high surface permeability, surface - to - volume ratio, reactivity, and high permeability. Nanomaterials use less substrate and material than larger materials and perform physical and chemical processes more effectively [10]. Nanotechnology has significantly improved computing and electronics by providing faster, smaller, and more portable systems that can manage and store larger amounts of information. Applications of nanotechnology include the following: Nanoparticles coatings suspensions have been developed as a safer, cheaper, and more reliable alternative to lead base solder and other hazardous materials commonly used to tie electronics in the assembling process. Enhancement in computer booting performance, and also to improve data saving during a system shutdown. Ultra high definition displays which production of ultra - response hearing aids, flash memory for smartphones, and more bright colors using quantum dots while using less energy and thumb drives. Pandey [10] mentions that when nanotechnology began to take center stage in research initiatives in both wealthy and developing nations of the world, it raised concerns among scientists about the function that it plays in electrical gadgets. The field of nanoelectronics, which was created by fusing nanotechnology and electronics, is concerned with handling, characterizing, building, and producing electronic devices at the nanoscale. The electrical characteristics of materials change as they are shrunk, and interatomic interactions and quantum phenomena assume a key role. To employ them in next - generation electronic devices, it is necessary to understand their electrical characteristics at the nanoscale. The age of nanoelectronics has begun as a result of the desire to reduce the size and increase component density.

2.2 Applications of Nanotechnology in Medical Fields

One of the most promising applications of nanotechnology in medicine is drug delivery. Nanomaterials can be designed to target specific cells or tissues, improving drug efficacy

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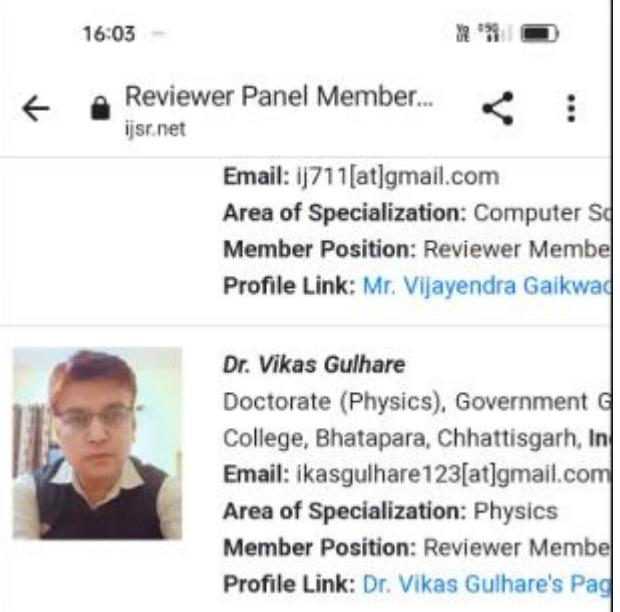
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Paper ID: SR25614093356

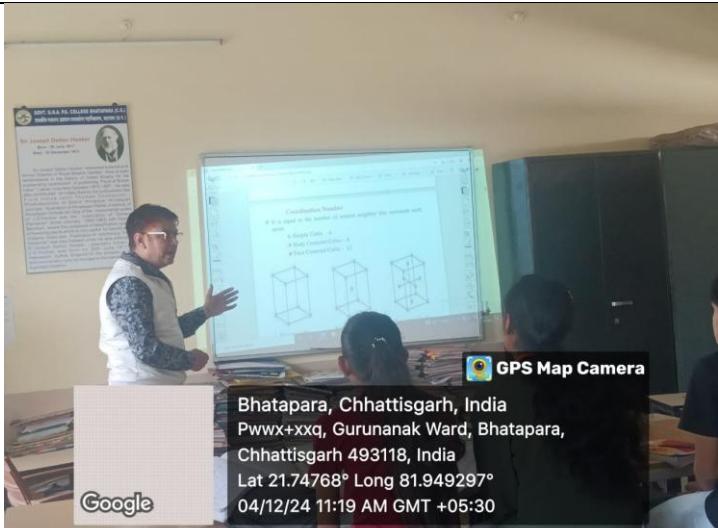
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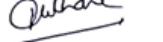
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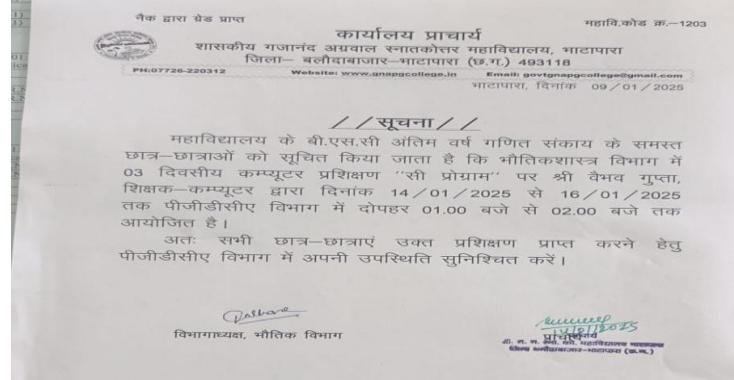
11	Patent	01	Quad Magnetic Axel	<p>09/09/2024 12:05:00</p> <p>Applicant Name:</p> <ol style="list-style-type: none"> 1. Dr. Dinesh Uthra 2. Mr. Kiran Thakur 3. Mr. Dharampal Rathia 4. Dr. Vikas Gulhare 5. Dr. Preeti Soni 6. Mr. Deepak Kumar Yadav 7. Dr. G Nag Bhargavi <p>Design Application Status</p> <p>Application Status: Design Accepted and Published, Journal No is 03/2026 and Journal Date is 16/01/2026</p> <p>*Priority NA</p> <p>Design Number: 429756-003 Class: 15-99 Dr. Dinesh Uthra Assistant Professor, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, (A Central University), Bilaspur, Chhattisgarh, India. P. G. Gulhare, Mr. Kiran Thakur, Mr. Dharampal Rathia, Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, (A Central University), Bilaspur, Chhattisgarh, India. Mrs. Preeti Soni, Mr. Deepak Kumar Yadav, Graduate Student, Guru Ghasidas Vishwavidyalaya, (A Central University), Bilaspur, Chhattisgarh, India. Dr. G Nag Bhargavi, Associate Professor, Department of Physics, Govt. G.N.A. P.G. College, Bhujapura (C.G.), Bilaspur, Chhattisgarh, India, Pincode: 493118, et al.</p> <p>Date of Registration: 09/09/2024 Title: Quad Magnetic Axial Drive System</p> <p>*Priority NA</p> <p>All Views</p> <p>All Views</p> <p>All Views</p> <p>The Patent Office Journal No. 03/2026 Dated 16/01/2026</p>
12	Book Writing	03- Dr.Vikas Gulhare	<p>NEP- B. Sc. 1st Sem Physics, Prabodh NEP- B. Sc. 1st Sem VAC, Civil Publication in Hindi Medium Renewable Energy And Energy Harvesting NEP- B. Sc. 1st Sem VAC, Civil Publication in English Medium Renewable Energy And Energy Harvesting</p>	<p>प्रबोध भौतिकी (PHYSICS) द्वी. एस-सी. (सुनीय सेमेस्टर) द्वारा दिया गया एक विद्यालयीय प्रबोध भौतिकी के बारे में विस्तृत विवरण दिया गया है।</p> <p>प्रबोध भौतिकी (PHYSICS) द्वी. एस-सी. (सुनीय सेमेस्टर) द्वारा दिया गया एक विद्यालयीय प्रबोध भौतिकी के बारे में विस्तृत विवरण दिया गया है।</p> <p>प्रबोध भौतिकी (PHYSICS) द्वी. एस-सी. (सुनीय सेमेस्टर) द्वारा दिया गया एक विद्यालयीय प्रबोध भौतिकी के बारे में विस्तृत विवरण दिया गया है।</p> <p>प्रबोध भौतिकी (PHYSICS) द्वी. एस-सी. (सुनीय सेमेस्टर) द्वारा दिया गया एक विद्यालयीय प्रबोध भौतिकी के बारे में विस्तृत विवरण दिया गया है।</p> <p>Enclosed Photograph</p>

13	FDP program attend			 <p>SRM INSTITUTE OF SCIENCE AND TECHNOLOGY FACULTY OF ENGINEERING & TECHNOLOGY RAMAPURAM DEPARTMENT OF CHEMISTRY</p> <p>Certificate</p> <p>This is to certify that Dr. Vikas Gulhare, Government Gajanand Agrawal postgraduate College Bhatpara Chhattisgarh has participated in the SIX DAY FACULTY DEVELOPMENT PROGRAM on "SMART AND SUSTAINABLE MATERIALS: ADVANCES IN MATERIAL CHEMISTRY FOR GLOBAL CHALLENGES - 2025" organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram, Chennai in association with Society for Advancement in Chemical Sciences and Education (SACSE), IGCAR, Kalpakkam from 21st July, 2025 to 26th July, 2025.</p> <p>Dr. HELEN P. KAVITHA Professor & HOD-Chemistry SRM IST Rampuram, Chennai</p> <p>Prof.C.V.S BRAHMANANDA RAO President, SACSE Dean(Academic), Chemical Sciences, HBNI IGCAR, Kalpakkam</p> <p>Dr. M. SAKTHI GANESH Dean (E & T) SRM IST Rampuram, Chennai</p>
14	Paper reviewed	14	IJSR(Open Access) -11 Journal of Optics(Springer)- 03	 <p>INTERNATIONAL JOURNAL OF SCIENCE & RESEARCH www.ijsr.net Online ISSN:2319-7064</p> <p>Review Confirmation Certificate www.ijsr.net</p> <p>This Review Confirmation Certificate is Awarded to Dr. Vikas Gulhare</p> <p>For completing the Reviewer Evaluation of the article titled <i>Neutrino Mass Generation Using See Saw Mechanism</i></p> <p>Being our Prestigious Board Member, We are grateful to Dr. Vikas Gulhare for completing 14 Reviews so far.</p> <p>Certificate ID: RC35465914543 Issued On: 2024-11-21</p> <p>Editor in Chief, International Journal of Science and Research, India</p> <p>QR Code: </p> <p>Certificate attached</p>
15	Reviewer in editorial board IJSR	Yes	IJSR(Open Access) Journal of Optics(Springer)	 <p>16:03 -</p> <p>Reviewer Panel Member... ijsr.net</p> <p>Email: ij711[at]gmail.com Area of Specialization: Computer Sc Member Position: Reviewer Membe Profile Link: Mr. Vijayendra Gaikwad</p> <p></p> <p>Dr. Vikas Gulhare Doctorate (Physics), Government G College, Bhatpara, Chhattisgarh, In Email: ikasgulhare123[at]gmail.com Area of Specialization: Physics Member Position: Reviewer Membe Profile Link: Dr. Vikas Gulhare's Pag</p>

16	Membership of University board	01	Dr. Vikas Gulhare BOS of Pt. PRSU Raipur	
17	Central BOS In CG	01	Dr. Vikas Gulhare	
18	Slow & advanced learner record	Yes	Register maintained	Photograph

19	ICT class	Yes	Register maintained	
20	Faculty	Post-02 Filled- 02	Dr. Vikas Gulhare Deepak Kumar Yadav	Office maintained Record
21	Lab. Technician	Post-01 Filled	Atul Singh	Lab and Office Record maintained
22	Lab Attendant	Post-01 Filled- NIL	-----	-----

23	Department Time table and Academic Calendar	Yes	Attached File	<p style="text-align: center;">Govt. G.N.A. P.G. College, Bhatpara (C.G.) Department of PHYSICS Academic Calendar Session – 2024-25</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">MONTH</th><th style="text-align: center;">ACTIVITIES</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">July</td><td>Admission (UG)</td></tr> <tr> <td style="text-align: center;">August</td><td>Commencement of classes (B.Sc.- I, II & III Year) Induction Programme (NEP Students) Assignment Distribution (B.Sc. – I Sem.)</td></tr> <tr> <td style="text-align: center;">September</td><td>First Internal Exam (B.Sc. – I Sem.) Unit Test (B.Sc. – II & III Year) Teachers Day Celebration</td></tr> <tr> <td style="text-align: center;">October</td><td>Unit Test (B.Sc. – II & III Year)</td></tr> <tr> <td style="text-align: center;">November</td><td>Second Internal Exam Unit Test ICT Class (B.Sc.-II Year)</td></tr> <tr> <td style="text-align: center;">December</td><td>Semester Practical Exam (B.Sc. - I Sem.) Assignment Assessment (B.Sc. – I Sem.)</td></tr> <tr> <td style="text-align: center;">January</td><td>End Semester Examination (B.Sc.- I Sem.)</td></tr> <tr> <td style="text-align: center;">February</td><td>Pre University Exam Practical Exam (B.Sc.- II & III Year) National Science Day Celebration</td></tr> <tr> <td style="text-align: center;">March</td><td>Annual Exam (B.Sc. - II & III Year) First Internal Exam (B.Sc.-II Sem.) Assignment Distribution (B.Sc. – II Sem.) Extra Classes for Slow Learner</td></tr> <tr> <td style="text-align: center;">April</td><td>Annual Exam (B.Sc. - II & III Year) Second Internal Exam (B.Sc.-II Sem.)</td></tr> <tr> <td style="text-align: center;">May-June</td><td>Semester Practical Exam (B.Sc. - II Sem.) End Semester Examination B.Sc.- II Sem. World Environment Day</td></tr> </tbody> </table>	MONTH	ACTIVITIES	July	Admission (UG)	August	Commencement of classes (B.Sc.- I, II & III Year) Induction Programme (NEP Students) Assignment Distribution (B.Sc. – I Sem.)	September	First Internal Exam (B.Sc. – I Sem.) Unit Test (B.Sc. – II & III Year) Teachers Day Celebration	October	Unit Test (B.Sc. – II & III Year)	November	Second Internal Exam Unit Test ICT Class (B.Sc.-II Year)	December	Semester Practical Exam (B.Sc. - I Sem.) Assignment Assessment (B.Sc. – I Sem.)	January	End Semester Examination (B.Sc.- I Sem.)	February	Pre University Exam Practical Exam (B.Sc.- II & III Year) National Science Day Celebration	March	Annual Exam (B.Sc. - II & III Year) First Internal Exam (B.Sc.-II Sem.) Assignment Distribution (B.Sc. – II Sem.) Extra Classes for Slow Learner	April	Annual Exam (B.Sc. - II & III Year) Second Internal Exam (B.Sc.-II Sem.)	May-June	Semester Practical Exam (B.Sc. - II Sem.) End Semester Examination B.Sc.- II Sem. World Environment Day
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24	Stock register	Yes	Maintained	 HOD PHYSICS  মহাপ্রাচী শ. ম. ম. রাম. পাতে, মহাপ্রাচী মহাবিদ্যালয় বিজ্ঞ পাঠ্যক্রমসমূহ-মহাবিদ্যালয় (প.ৰ.) Available Available																								

25	Tutorial and Discussion	Yes	Additional Classes done by Department	 <p>GPS Map Camera</p> <p>Bhatapara, Chhattisgarh, India Pwwx+gpx, Gurunanak Ward, Bhatapara, Chhattisgarh 493118, India</p> <p>At</p> 
26	Computer Skill Enhancement training prg.	Yes	Three days computer training program for B. Sc. 3 rd year Expert - Shri Vaibhav Gupta	 <p>नेक द्वारा प्रेषित प्राप्त कार्यालय प्राचार्य शासकीय गजानन अपावाल रनातकलर महाविद्यालय, भाटापारा जिला—बलीदाराजार-भाटापारा (छ.ग.) 493118 Website: www.gnsapgcollege.in Email: govtgnspgcollege@gmail.com माटापारा, दिनांक 09/01/2025</p> <p>महाविद्यालय के श्री.एस.श्री अंतिम वर्ष गणित संकाय के समरत छात्र-छात्राओं को सुचित किया जाता है कि भौतिकवास्त्र विभाग में 03 दिवालीय कम्प्यूटर प्रशिक्षण “री प्रोग्राम” पर श्री वैभव गुप्ता, शिक्षक—कम्प्यूटर द्वारा दिनांक 14/01/2025 से 16/01/2025 तक पीजीडीसीए विभाग में दोपहर 01:00 बजे से 02:00 बजे तक आयोजित है। आइए सभी छात्र-छात्राएं उक्त प्रशिक्षण प्राप्त करने हेतु पीजीडीसीए विभाग में अपनी उपस्थिति सुनिश्चित करें।</p> <p>विभागाधार्य, भौतिक विभाग Dr. M. N. DUBEY प्रोफेसर अधिकारी—विभाग (छ.ग.)</p>
28	Orientation	Yes	Dr. Deepak Kumar Yadav	Certificate Enclosed
29	International Seminar, and Paper Presented	01	M. A. S. T. Conference 2024 Govt. D. B. Girls College, Raipur	 <p>GPS Map Camera</p> <p>Raipur, Chhattisgarh, India 6JMP+2MH, Kalibadi Chowk, Nehru Nagar, Budhapara, Raipur, Chhattisgarh 492001, India Lat 21.232665° Long 81.636878° 18/10/24 01:27 PM GMT +05:30</p> 

30	International Webinar	01	Dr. Vikas Gulhare Bhatter College, Dantan West bagal Dr. Deepak Kumar Yadav Bhater College, Datan West bagal	<p>BHATTER COLLEGE, DANTAN (NAAC accredited grade "A" college) (Affiliated to Vidyasagar University) P.O. Dantan, Paschim Medinipur, West Bengal 721426, INDIA</p> <p>CERTIFICATE OF PARTICIPATION This is to certify that Dr. Vikas Gulhare of Government Gajanand Agrawal postgraduate College bhatpara cg has successfully participated in the International seminar on "CURRENT TRENDS IN GREEN CHEMISTRY" organized by Department of Chemistry, Bhatter College, Dantan in collaboration with Department of Physics & Mathematics, Bhatter College, Dantan on 16.09.2024.</p> <p>  (Dr. P. K. Khatusa) Professor Bhatter College, Dantan Paschim Medinipur </p> <p>  Dr. Subhankar Sardar Convenor Seminar </p> <p>  Dr. Kriti Ranjan Sahu Convenor Seminar </p> <p>  Dr. Alaudin Dafadar Convenor Seminar </p>
31	Degree awarded	01	Dr. Deepak Kumar Yadav	Ph. D. Degree award certificate enclosed
32	Award achievement	01	Dr. Vikas Gulhare By DWPS School BYT	Certificate and Photograph enclosed

Admission Enrolled in 2024-25

No. of Students	1 st Sem.(NEP)	UG-02 yr	UG-03 yr
Appearing	56	36	42
Passed(M+F)			

Govt. Gajanand Agrawal P. G. College, BHATAPARA (C.G.)

DEPARTMENTAL ACADEMIC CALANDER

Department of Physics- Session 2023-24

SN	Month	1 st week	2 nd week	3 rd week	4 th week
1	June			Admission	
2	July	Department Meeting for Syllabus, University guidelines and work distribution	Teaching start 2 nd and 3 rd yr	Induction class 1 st yr	Unit test 2 nd and 3 rd yr
3	August		Unit test 1 st yr		Unit test 2 nd and 3 rd yr
4	September	Physics practical/ batch allotment	Seminar topic distribution	Seminar by student 1 st yr, 2 nd and 3 rd yr	Unit test 1 st yr, 2 nd and 3 rd yr
5	October	Slow and advanced learners activity	Parent teacher meet	Unit test 1 st yr, 2 nd and 3 rd yr	Seminar by student 1 st yr, 2 nd and 3 rd yr
6	November	Department Meeting for annual and practical exam	ICT Teaching	Extension Lecture by Expert In online mode	
7	December	Unit test 1 st yr, 2 nd and 3 rd yr	ICT Teaching	Skill development program	Science model preparation
8	January	Practical record verification	Annual Internal test	Private student Laboratory work	Pre university exam
9	February	Preparation of practical exam	Annual Practical Examination	Additional Classes for exam preparation	Science day Quiz competition

10	March-April	Annual Exam-2023-24
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HOD-PHYSICS

Govt. Gajanand Agrawal P. G. College, BHATAPARA (C.G.)

Department of Physics- Session 2023-24

DEPARTMENTAL REPORT

According to academic calendar of session 2023-24 the following points are mentioned here for the execution of departmental programs:

1. The departmental time table is designed for conducting UG classes.
2. The guidelines of university and syllabus description provided to all students.
3. The induction classes are organized by department for newly regular scholar.
4. The practical work allotted to all students according to their course offered by university.
5. Continuous unit test, slow and advanced learner activity also conducted in the department and maintained record.
6. Seminar topic distributed by faculty to all students and taking performances.
7. ICT teaching was conducted by faculty for enhancement to the student's knowledge.
8. Online lecture is organized by physics department to know the other specific knowledge.
9. On the science day celebration quiz competition organized by the department.
10. For the skill development of the students with the help of SEDI institute, Bhatpara the program organized in the department.

Result 2023-24

No. of Students	UG-01 yr	UG-02 yr	UG-03 yr
Appeared	65	37	54
Passed(M+F)	11+16=27	12+20=32	15+28=43

HOD-PHYSICS