

### DEPARTMENT OF PHYSICS

1	Name of the department	:	PHYSICS			
2	Year of Establishment	:	1968			
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	:	B.Sc.			
4	Names of Interdisciplinary courses and the departments/units involved	:	NIL			
5	Annual/ semester/choice based credit system (programme wise)	:	Semester based system			
6	Participation of the department in the courses offered by other departments	:	NA			
7	Courses in collaboration with other universities, industries, foreign institutions, etc	:	NA			
8	Details of courses/programmes discontinued (if any) with reason	:	NO			
9	Number of Teaching posts					
		Sanctioned		Filled		
	Professor	-		-		
	Associate Professor	1		1		
	Assistant Professor	4*		-		
	*02 Guest Lecturers are appointed by management					
10	Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M. Phil. etc.,)					
	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D Students guided for the last 4 years
	Prof. S.P.Murari	M.Sc, M.Phil	Asso. Prof.	Nuclear Physics	32	-
	Prof. S.V.Honnuger	M.Sc	Guest Lecturer	Spectroscopy	11	-
	Prof.(Miss) S.S.Roogi	M.Sc	”	Solid state Physics	01	-
	Prof.A.T.Tangoji	M.Sc	”		01	
11	List of senior visiting faculty	:	NA			
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty	:	66%			
13	Student -Teacher Ratio (programme wise):	:	B.Sc-1:28			

14	Number of academic support staff (technical) and administrative staff; sanctioned and filled		01		
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ M.Phil / PG.:	:	M. Sc	M.Phil	
			2	1	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	:	NO		
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	:	NO		
18	Research Centre /facility recognized by the University	:	NA		
19	Publication			:	
	➤ Number of papers published in peer reviewed journals (national / international) by faculty and students:			:	01
	➤ Number of publications listed in International Database (For Example: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)			:	NA
	➤ Monographs			:	NA
	➤ Chapter in Books			:	NO
	➤ Books Edited or Written			:	NO
	➤ Books with ISBN/ISSN numbers with details of publishers			:	NO
	➤ Citation Index			:	NO
	➤ SNIP			:	NO
	➤ SJR			:	NO
	➤ Impact factor			:	NO
	➤ h-index			:	NO
20	Areas of consultancy and income generated	:	Consultancy is provided on honorary basis		
21	Faculty as members in a. National committees b. International Committee c. Editorial Board:	:	NIL		
22	Student projects	:			
	a. Percentage of students who have done in-house projects including inter departmental/programme: 35% b. Percentage of students placed for projects in organizations outside the Institution i.e.in				

	Research laboratories/Industry/ other agencies: <b>NO</b>					
23	Awards / Recognitions received by faculty and students	:	<b>NO</b>			
24	List of eminent academicians and scientists / visitors to the department: Some of the Eminent Academicians visited our Department and enlightened the students such as:					
	Sl. No.	Visiting Date	Name of scientist	Position held		
	1	11.9.15.	Dr. S.H. Pawar	V.C. D.Y. Patil medical university Kolhapur Maharastra.		
	2	11.9.15	Dr. S.M. Shivaprasad	Sr. Scientist JNCASR Bangalore		
	3	11.9.15	Dr.S.M. Patil	Founder co- coordinator. Thin film Lab Shivaji university Kolhapur		
	4	28.2.15	Dr.U.S.Raiker	Chairman, department of Physics K.U. Dharawad		
	5	27.3.14	Dr. B.G. Mulimani	Vice chancellor B.L.D.E university Bijapur		
	6	11.9.15	Dr. M.B. Kothale	Principal G.I. Bagewadi college Nippani		
	7	28.2.12	Dr. G.B. Kalkoti	P.C.Jobin college Hubbali		
	8	11.9.15	Dr. N. H. Ayachit	Chairman dept of physics R.C.U Belagavi		
	9	21.9.15	Dr. Siddalingswamy	NAAC Coordinator for Govt.colleges J.D.C.E Bangalore		
	10	28.2.12	Dr. J. S. Tonannavar	Dept of Physics K. U. Dharawad		
	11	28.2.14	Dr.A.S.Lalasangi	Principal, GFGC Ramdurg		
	12	28.2.13	Prof. Dalawai	RL Science Institute Belagavi		
25	Seminars/ Conferences/Workshops organized & the source of funding					
	a. National:		b. International:			
	Sl. No.	Seminar / Conference / workshop	Status	Source of funding	Outstanding Participants	Beneficiary
	1	<b><i>Energy Crises; Possible Solutions through Passive Solar Design Techniques</i></b>	<b><i>National</i></b>	<b><i>UGC</i></b>	<b><i>Dr.S.M.Shivaprasad Senior Scientist, J.N.C.A.S.R. Bangalore</i></b> <b><i>Dr. S.H.Pawar Vice-Chancellor, D.Y.Patil Medical University,Kolhapur (Maharastra state)</i></b>	<b><i>T-28 S-46</i></b>
	2	<b><i>"Innovative Methods of teaching science subjects at high school level"</i></b>	<b><i>State level workshop</i></b>	<b><i>UGC</i></b>	<b><i>Shri. DDPI Belagavi and Prof.Jiragal HOD Physics Jabin College, Hubli</i></b>	<b><i>T-20 S-35</i></b>
26	Student profile programme/course wise					
	Year	Name of the Course / Programme (refer question)	Applications Received	Selected	Enrolled	Pass Percentage Average
					M	F
	2011-12	B.Sc-I & II Sem	47	43	24	23
						48.78%

	B.Sc -III & IV Sem	51	50	22	29	90%
	B.Sc -V & VI Sem	32	31	9	23	90.32%
<b>2012-13</b>	B.Sc-I & II Sem	43	42	16	27	73.8%
	B.Sc -III & IV Sem	37	37	18	19	72.97%
	B.Sc -V & VI Sem	50	48	21	29	100%
<b>2013-14</b>	B.Sc-I & II Sem	45	44	22	23	88.63%
	B.Sc -III & IV Sem	36	36	12	24	86.11%
	B.Sc -V & VI Sem	37	36	19	18	72.22%
<b>2014-15</b>	B.Sc-I & II Sem	42	42	16	26	68.29%
	B.Sc -III & IV Sem	42	42	21	21	78.57%
	B.Sc -V & VI Sem	34	34	11	23	88.23%
<b>2015-16</b>	B.Sc-I & II Sem	15	15	8	7	100%
	B.Sc -III & IV Sem	37	37	15	22	55.55%
	B.Sc -V & VI Sem	36	36	15	21	82.55%

**Academic performance of Students :**

Sl. No.	Year	Sem	Enrolled	Appeared	D	I	P	F	P.%
01	2011-12	1&2	47	43	03	13	20	23	48.78
	2011-12	3&4	51	50	34	11	45	05	90.00
	2011-12	5&6	32	31	10	18	28	03	90.32
02	2012-13	1&2	43	42	14	17	31	04	73.8
	2012-13	3&4	37	37	09	18	27	10	72.97
	2012-13	5&6	50	48	38	10	48	-	100
03	2013-14	1&2	45	44	20	19	39	05	88.63
	2013-14	3&4	36	36	27	04	31	05	86.11
	2013-14	5&6	37	36	16	10	26	10	72.22
04	2014-15	1&2	42	41	11	17	28	13	68.29
	2014-15	3&4	42	42	16	17	33	09	78.57
	2014-15	5&6	34	34	24	06	30	04	88.23
05	2015-16	1&2	15	11	08	02	01	-	100%
		3&4	36	35	07	02	09	17	51.42%
		5&6	36	36	19	10	-	07	82.55

D-Distinction, I-First Class, P-Pass, P.%-Passing Percentage

**Year wise progress in result**

Sl. No.	Academic Year	Overall % passing of student
01	2011-12	76.37
02	2012-13	82.26
03	2013-14	82.32
04	2014-15	78.36

27	<b>Diversity of Students:</b>			
	<b>Name of the Course</b>	<b>% of Students from same states</b>	<b>% of Students from other states</b>	<b>% of Students from abroad</b>
	B.Sc	100%	-	-

28	How many student have cleared national and State Competitive Examination such as NET, SLET, GATE, Civil Services, Defense Services, etc:	:	03
29	<b>Student Progression:</b>		
	<b>Student Progression</b>	<b>Against % enrolled</b>	
	UG to PG	33.33%	
	PG to M. Phil.	-	
	PG to Ph.D.	03%	
	Ph.D. to Post-Doctoral	-	
	<b>Employed:</b> ➤ Campus selection ➤ Other than campus recruitment	65 students	
	Entrepreneurship/Self-employment	46 students	
30	<b>Details of Infrastructural facilities :</b>		
	Library	:	Departmental Library 145 books donated by student and Teachers
	Internet facilities for Staff & Students	:	YES
	Class rooms with ICT facility	:	YES
	Laboratories	:	YES
31	Number of students receiving financial assistance from college, university, government or other agencies	:	Given by college office
32	Details on student enrichment Programmes (special lectures/workshops/seminar) with external experts:		
	<b>Visiting Date</b>	<b>Name of scientist</b>	<b>Position held</b>
	11.9.15.	Dr. S.H. Pawar	V.C. D.Y. Patil medical university Kolhapur Maharastra.
	11.9.15	Dr. S.M. Shivaprasad	Sr. Scientist JNCASR Bangalore
	11.9.15	Dr.S.M. Patil	Founder co- coordinator. Thin film Lab Shivaji university Kolhapur
	28.2.15	Dr.U.S.Raiker	Chairman, department of Physics K.U. Dharawad
	27.3.14	Dr. B.G. Mulimani	Vice chancellor B.L.D.E university Bijapur
	11.9.15	Dr. M.B. Kothale	Principal G.I. Bagewadi college Nippani
	28.2.12	Dr. G.B. Kalkoti	P.C.Jobin college Hubballi
	11.9.15	Dr. N. H. Ayachit	Chairman dept of physics R.C.U Belagavi
	21.9.15	Dr. Siddalingswamy	NAAC Coordinator for Govt.colleges J.D.C.E Bangalore
	28.2.12	Dr. J. S. Tonannavar	Dept of Physics K. U. Dharawad
	28.2.14	Dr.A.S.Lalasangi	Principal, GFGC Ramdurg
	28.2.13	Prof. Dalawai	RL Science Institute Belagavi

33	<b>Teaching methods adopted to improve student learning :</b> <ul style="list-style-type: none"> <li>➤ Teaching methods: Lectures/Discussing/ PPT/LAB etc</li> <li>➤ Laboratory experiment</li> <li>➤ Remedial teaching for slow learners/failures</li> <li>➤ Counselling/Guidance services :Employment under classes for entry into services</li> <li>➤ Career Guidance/Personality development</li> </ul>
34	<b>Participation in Institutional Social Responsibility (ISR) and Extension activities</b> <ul style="list-style-type: none"> <li>➤ Given corporate training for students in coaching classes for entry into services &amp; giving training to students to attend campus interview</li> <li>➤ Participated in giving awareness to people for Rain water harvesting , Tree plantation, Blood donations &amp; Pavada Bayalu program etc</li> </ul>
35	<b>SWOC analysis of the department and future plans:</b> <p><b>STRENGTHS:</b></p> <ul style="list-style-type: none"> <li>➤ Committed and dedicated faculty in the department.</li> <li>➤ Innovative methods of teaching.</li> <li>➤ Good results and feedback.</li> <li>➤ Good financial support and infrastructure.</li> <li>➤ Good laboratory with latest instruments.</li> <li>➤ Healthy interactions of students with Guests and Alumnae etc.</li> </ul> <p><b>WEAKNESSES:</b></p> <ul style="list-style-type: none"> <li>➤ Poor economic and rural background of students.</li> <li>➤ Declination of student's strength.</li> </ul> <p><b>OPPORTUNITIES:</b></p> <ul style="list-style-type: none"> <li>➤ Guide the students in their studies.</li> <li>➤ Encourage students to pursue higher studies and to develop research culture.</li> <li>➤ To develop confidence among students to participate in seminars / conferences to present papers.</li> </ul> <p><b>CHALLENGES:</b></p> <ul style="list-style-type: none"> <li>➤ To obtain good results from socially and economically backward students.</li> <li>➤ To develop confidence in students for employment skill</li> </ul> <p><b>FUTURE PLANS:</b></p> <ul style="list-style-type: none"> <li>➤ To improve quality of teaching by ICT technology</li> <li>➤ To organize Workshops and science exhibition</li> <li>➤ To increase the strength of department.</li> </ul>