

<b>funding agencies and grants received</b>						
	<b>Name of the Faculty</b>	<b>Title of the project</b>	<b>Funding agency</b>	<b>Grants received</b>	<b>Term of the project</b>	<b>status</b>
<b>NIL</b>						
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received				NIL	
18	Research Centre /facility recognized by the University				Not yet recognized as research centre	
19	<b>Publications:</b>					
20	a) Publication per faculty Number of papers published in peer reviewed journals					
<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>						
Dr. Yethiraj N.G						
1.Yethiraj N G (2014) “A Comparative Study on Time Based and Feature Driven Release Management Techniques in Free and Open Source Software Projects”, Volume 2(3), pp. 06-11. ISSN: 2278-9669, with the Impact Factor 1.132, July 2014.						
2. Yethiraj N G (2014) “Agricultural Data Mining – Exploratory and Predictive Model for finding Agricultural Product Patterns”, Volume 2(3), pp. 12-19. ISSN: 2278-9669, with the Impact Factor 1.132, July 2014.						
3. Yethiraj N G (2012) “Applying Data Mining Techniques In the field of Agriculture and Allied Sciences”, Volume 1, Issue 2, International Journal of Business Intelligents., pp. 72-76. ISSN: 2278-2400.						
4.Yethiraj N G (2012) “Improvement of Software Quality, Maintenance and Reliability using Data Mining Techniques”, Volume 1, Issue 1, International Journal of Data Mining Techniques and Applications. pp. 101-106. ISSN: 2278-2419.						
5.Yethiraj N G (2011) “An efficient comparison of two clustering algorithms in Data Mining”, Volume 5, Issue 1-2, International Journal of Computer Mathematical Sciences and Applications. Pp. 39-47. ISSN: 0973-6786.						
6.Awarded as “Best Paper Award” at First National Level Conference on Future Technological Perspective (FTP 11) entitled “Data Mining for Software Reliability” organized by S. Nijalingappa College (KLE Society’s) held on 22 <sup>nd</sup> October 2011.						
21	Areas of consultancy and income generated			- NIL -		
22	Faculty as members in a) National committees b) International Committees c) Editorial Board			<b>NIL</b>		
23	<b>Student projects</b>					
	a) Percentage of students who have done in-house projects including					59%

	inter departmental/programme						
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies						41%
24	Awards / Recognitions received by faculty and students						NIL
24	<b>List of eminent academicians and scientists / visitors to the department</b>						<b>NI L</b>
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops NIL						
26	Student profile programme/course wise						
	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled	M	F	
	B. Sc (PMCS)	134	60	60	0	60	
	M.C.A	600	60	60	0	60	
27	<b>Diversity of Students</b>						
	<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>			
	B. Sc (PMCS)	98%	2%	Nil			
	M.C.A	100%	-	Nil			
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA						
29	Student progression						
	Student progression						Against % enrolled
	UG to PG						70 %
	PG to M.Phil.						10 %
	PG to Ph.D.						4 %
	Ph.D. to Post-Doctoral						
30	Employed						
	Campus selection						15%
	Other than campus recruitment						20%
	Entrepreneurship/Self-employment						10%
31	Details of Infrastructural facilities						
	a) Library						yes
	b) Internet facilities for Staff & Students						yes

	c) Class rooms with ICT facility	two
	d) Laboratories	4 labs and
32	Number of students receiving financial assistance from college, university, government or other agencies	
	Name of Scholarship	Students availed
	Sir. C. V. Raman and Sanchi Honnamma scholarship	14
	Directorate of Minorities post metric	3
	SC/ST Scholarship	10
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	
	<b>Name of resource person</b>	<b>Lecture topic</b>
	Mr. Srinivas	A Journey towards Data Mining
	Mr. Yash	Network security and hacking
	Mrs. Aruna Devi	Bezeir curves Graphics
		University/place work
		Surana PG Center Bangalore
		Red Force Labs Bangalore
		Dyananda Sagar Institutions
34	<b>Teaching methods adopted to improve student learning</b>	
	Peer Learning, Black Board Teaching, PPT Presentation, ICT Aids, OHP Probing, Quiz, Seminars, Assignment, Regular unit tests and evaluation	
35	Participation in Institutional Social Responsibility (ISR) and Extension activities	
36	<b>SWOC analysis of the department and Future plans</b>	
	<p><b>STRENGTH of Department :</b></p> <ul style="list-style-type: none"> <li>➤ Interpersonal skills</li> <li>➤ Good Infrastructure facilitates</li> <li>➤ Innovative leadership skills</li> </ul> <p><b>WEAKNESS of department:</b></p> <ul style="list-style-type: none"> <li>➤ Lack of research and Consultancy service</li> <li>➤ Opportunities</li> <li>➤ To train students on par with Industry demand as program trainees in IT sector</li> </ul> <p><b>CHALLENGE:</b></p> <ul style="list-style-type: none"> <li>➤ To adapt recent trends in IT sector.</li> <li>➤ Future plans</li> </ul>	

**Department of Mathematics**

1	Name of the department		<b>Mathematics</b>			
2	Year of Establishment		UG -1938 PG -2009			
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG and PG			
4	Names of Interdisciplinary courses and the departments/units involved		NA			
5	Annual/ semester/choice based credit system (programme wise)		Semester Scheme and also CBS from 2014			
6	Participation of the department in the courses offered by other departments		Nil			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programmes discontinued (if any) with reasons		Nil			
9	<b>Number of Teaching posts</b>		<b>Sanctioned</b>	<b>Filled</b>		
	Professors		-	-		
	Associate Professors					
	Asst. Professors					
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Ashwartha Reddy M On deputation	M.Sc. M. Phil.	Associate Professor & Head	Applied Mathematics	28yrs	Nil
2	Suresha M. S.	M.Sc. M. Phil.	Associate Professor	Applied Mathematics	28yrs	Nil
3	Dr. Nagarathna N	MSc, Ph.D	Associate Professor	Computational fluid dynamics and	22yrs	

				Magneto hydro dynamics		
4	Dr. Vanishree, R. K.	M.Sc., M. Phil., Ph. D.	Associate Professor	Operation Research, Graph theory, Fluid Mechanics	18 yrs	Nil
5	Dr. Suguna, B. Uraleagaddi	M.Sc., M. Phil., Ph. D.	Associate Professor	Operation Reaserch, Dimension Theory Numerical Analysis.	18 yrs	Nil
6	Anuradha, S.	M. Sc.	Associate Professor	Special functions of Ramanujan, Graph theory	18yrs	Nil
7	Dr. Vijayalaks hmi, A. R.	M.Sc. Ph. D.	Assistant Professor	Magneto hydro dynamics	08yrs	Nil
8	Shobhan Kumar, D.M.	M.Sc., M. Phil.	Assistant Professor	Magneto hydro dynamics	07yrs	Nil
9	Nirmala Jodalli	M.Sc., PGDCA, M. Phil.	Assistant Professor	Topology, Complex analysis	07yrs	Nil
11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty					Nil
13	Student -Teacher Ratio (programme wise)					UG: 100:1; PG:15:1.
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled					NA
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					NIL
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b>					
	<b>Name of the Faculty</b>	<b>Funding agency</b>	<b>Grants received</b>	<b>Term of the project</b>	<b>status</b>	

	Dr. Nagarathna, N	UGC-Minor research project	Rs. 85,000.00	18 months	Completed
	Dr. Vanishree, R. K	UGC- Major research project	<b>Rs. 10,75,258.00</b>	03 years Feb. 2010 to Jan. 1013	Completed
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received				
18	Research Centre /facility recognized by the University			Proposal Submitted to Bangalore University	
19	<b>Publications:</b>				
20	a) Publication per faculty				
	<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>				
	Dr. Vanishree, R. K.				
	<p><b>Vanishree, R. K., (2014)</b>, “Effects of through-flow and internal heat generation on a thermo convective instability in a variable viscosity fluid occupying an anisotropic porous medium”, <i>J. App. Fluid., Mech.</i> (will appear in Vol. 7(4)).</p> <p>Siddheshwar, P. G. <b>Vanishree, R. K.</b> and Anthony Christy Melson, <b>(2012)</b>, “Study of heat transport in Bénard-Darcy convection with g-Jitter and thermo-mechanical anisotropy in variable viscosity liquids”, <i>Transp. Porous Med.</i>, 92(2), pp. 277-288.</p> <p>Siddheshwar, P. G. and <b>Vanishree, R. K., (2011)</b>, “Double diffusive convection in a high porosity porous medium with externally regulated frictions”, <i>Int. J. Appl. Mech. Engg.</i> 16(4), 1147–1168.</p> <p>4. Siddheshwar, P. G. and <b>Vanishree, R. K., (2011)</b>, “Double diffusive convection in a high porosity porous medium with externally regulated Darcy and Brinkman frictions”, <i>Int. J. Appl. Mech. Engg.</i> 16(4), 1147–1168.</p> <p><b>Vanishree, R. K. (2010)</b>, “Combined effect of temperature and gravity modulations on the onset of convection in an anisotropic porous medium”, <i>Int. J. Appl. Mech. Engg.</i>, Vol 15(1), pp 267-291</p> <p><b>Vanishree, R. K.</b> and Siddheshwar, P. G. <b>(2010)</b>, “Effect of Rotation and Thermal Convection in an Anisotropic Porous Medium with Temperature-Dependent Viscosity”, <i>Transp. Porous Med.</i>, Vol. 81, pp 73-87.</p>				
	Dr. Vijayalakshmi, A. R.				
	<p><b>Vijayalakshmi, A. R., (2014)</b>, “The evolution of linearized perturbations in a Baroclinic stratified Couette Flow”, <i>Int. J. Multidisciplinary research and Advances in Engineering</i> ( to be published in Vol 6, N0 III, July 2014)</p> <p>Balagondar, P. M. and <b>Vijayalakshmi, A. R., (2013)</b>, “The evolution of linearized perturbations In a stratified two-layered unbounded shear flow with rotation” in <i>International Journal of Engineering Research and Industrial Applications</i>, Vol. 6,</p>				

	No. IV, 127-142.		
	Balagondar, P. M. and <b>Vijayalakshmi, A. R., (2013)</b> , “The effects of Shear and Rotation on the Evolution of linearized perturbations in a Doubly Diffusive Convective Instability” in International Journal of Theoretical and Applied Physics, Vol. 3 No. II , 1-23		
	Balagondar, P. M. and <b>Vijayalakshmi, A. R., (2013)</b> , “The effects of Heat/ Mass, Rotation on the Linearized Perturbations in a Shear flow”, International Journal of Mathematical Sciences in Engineering Applications, <b>2013</b> , Vol. 7 No. V, 283-294.		
	<b>Vijayalakshmi, A. R., (2013)</b> , “The effect of Magnetic field and Compressibility on the Rayleigh-Taylor Instability”, International Journal of Applied Mechanics and Engineering, Vol. 16, No. 3, 899-910.		
	Balagondar, P. M. and <b>Vijayalakshmi, A. R., (2009)</b> , “The Evolution of General Three-dimensional Perturbations in a Magnetohydrodynamic Couette Flow”, International Journal of Applied Mechanics and Engineering, Vol. 13, No. 3, 627-638.		
21	Areas of consultancy and income generated	- NIL -	
22	Faculty as members in a) National committees b) International Committees c) Editorial Board		
	<b>Name of the Faculty</b>	Life member of Indian Society for Theoretical and Applied Mechanics.	
	Dr. Vanishree, R. K.		
23	<b>Student projects</b>		
	a) Percentage of students who have done in-house projects including inter departmental/programme	Nil	
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	Nil	
24	Awards / Recognitions received by faculty and students		Nil
24	<b>List of eminent academicians and scientists / visitors to the department</b>		
	4. Prof. Pradeep, G. Siddheshwar, Bangalore University, Bangalore. 5. Prof. Nandakumaran, A. K., IISc., Bangalore 6. Prof. Rangarajan, G., IISc., Bangalore 7. Prof. Vittal Rao, R., IISc., Bangalore 8. Prof. Krishna, B. Athreya, IISc., Bangalore 9. Prof. Vasudeva Murthy, A. S, TIFR-CAM, Bangalore		
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops		
	<b>Title of Conferences/Workshops/Seminar</b>	<b>Date</b>	<b>Source of Funding</b>
	Two day National Conference	13 <sup>th</sup> and 14 <sup>th</sup> March 2012	UGC
	Lecture Workshop	6 <sup>th</sup> & 7 <sup>th</sup> March, 2014.	Indian Academy of Sciences

28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA	
29	Student progression	
31	Details of Infrastructural facilities	
	a) Library	yes
	b) Internet facilities for Staff & Students	yes
	c) Class rooms with ICT facility	one
	d) Laboratories	1 labs
32	Number of students receiving financial assistance from college, university, government or other agencies	
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	
	<b>Date and Year</b>	<b>Speaker/Workshops/Seminar</b>
	15 <sup>th</sup> Nov. 2010	Dr. Pradeep, G. Siddheshwar (Bangalore University)
	10 <sup>th</sup> Dec. 2010, 14 <sup>th</sup> Dec. 2013	Prof. Boregowda, H. S.(Tumkur University)
	13 <sup>th</sup> & 14 <sup>th</sup> March 2012	UGC sponsored two days conference
	14-12-2013	Prof. Vittal Rao, R. (IISc., Bangalore)
	14-12-2013	Prof. Krishna, B. Athreya (IOWA State University, USA)
	6th and 7th of March 2014.	Science Academies' sponsored workshop
		Dr. Ramesh, B. Kudenatti (Bangalore University)
	19th, 20th & 23rd May, 2014.	Dr. Sumithra, R. (Govt. Science College, Bangalore)
34	<b>Teaching methods adopted to improve student learning</b>	
	1. Power Point presentations 2. Group Discussion method 3. Class tests	
35	Participation in Institutional Social Responsibility (ISR) and Extension activities	
36	<b>SWOC analysis of the department and Future plans</b>	
	<p><b>STRENGTH of Department :</b></p> <p>1. Well qualified faculty 2. above 80% result in UG, 95% result in PG, Departmental library, good class room facilities, collaboration with Department of Mathematics, Bangalore and Karnatak Universities, Dept. of Maths, RVCE, Bangalore, 3. Regular participation in conferences and seminars by faculty and students.</p> <p><b>WEAKNESS of department:</b></p> <p>1. Less number of teachers</p>	



	<p>2. Lack of supporting staff</p> <p><b>OPPORTUNITIES :</b></p> <ol style="list-style-type: none"><li>1. Student projects can be allotted to PG students so that the students will get exposed to research possibilities</li><li>2. Since Mathematics is in ever demand, modules for teaching pedagogy and ICT based teaching in Mathematics can be developed</li></ol> <p><b>CHALLENGE:</b></p> <ol style="list-style-type: none"><li>1. Time constraints (semester system)</li><li>2. Financial support.</li></ol>
	<p><b>FUTURE PLANS:</b></p> <ol style="list-style-type: none"><li>1. Short term courses</li><li>2. Certificate courses</li><li>3. Student projects</li><li>4. Teaching Modules</li></ol>

**Department of Microbiology**

1	Name of the department		Microbiology			
2	Year of Establishment		UG 1990; PG 1994			
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG and PG			
4	Names of Interdisciplinary courses and the departments/units involved					
5	Annual/ semester/choice based credit system (programme wise)		Semester Scheme and CBS from 2014			
6	Participation of the department in the courses offered by other departments		Chemistry, Biochemistry, Statistics			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programmes discontinued (if any) with reasons		Nil			
9	<b>Number of Teaching posts</b>		<b>Sanctioned</b>	<b>Filled</b>		
	Professors					
	Associate Professors		02	02		
	Asst. Professors		02	02		
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Dr. Kavitha B	Associate Professor and Head	M.Sc. M. Phil, Ph. D	Microbiology	22yrs	-
2	Dr. Arun Jyothi Mathias	Associate Professor	M.Sc.M. Phil Ph. D	Microbiology	20yrs	-
3	Dr. Viswanatha T	Assistant Professor	M.Sc.M. Phil Ph. D	Microbiology	6 years	01
4	Mr. A. Dhullappa	Assistant Professor	M.Sc., M.Phil	Microbiology	6 years	-
11	List of senior visiting faculty					Nil

12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty	50%
13	Student -Teacher Ratio (programme wise)	1:15
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	NA
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.	
	Ph.D	1
	M.Phil.	1
	PG	
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b> <b>3</b>	
	<b>Name of the Faculty</b>	<b>Title of the project</b>
	<b>Funding agency</b>	<b>Grants received (Rs.)</b>
	<b>Term of the project</b>	<b>status</b>
	Dr. Kavitha B	Promotion of Bioinformatics in Biology
	DBT	5425000
	Since 2006	ongoing
	Dr. Vishwanatha T	Isolation of host specific bacteriophages from sewage against human pathogens.
	UGC-Minor Research Project	120000
	2010-2012	Completed
	Ms. Suman P	To study and identify the aeroallergens
	UGC-Minor Research Project	110000
	2009-2011	Completed
	Sri A Dhullappa	An approach on citric acid synthesis through strain improvement by using Aspergillus oryzae
	UGC-Minor research project	190000
	2014-2016	ongoing
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	DBT- Rs. 5425000 UGC-Rs. 420000
18	Research Centre /facility recognized by the University	Proposal Submitted to Bangalore University
19	<b>Publications:</b>	
20	a) Publication per faculty	Enclosed

	<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>
	<b>Dr. Kavitha B</b>
	<b>Kavitha B., D. J. Bagyaraj and D. Radha Kale.</b> 2012. Microflora of earthworm burrow wall. <i>Dynamic Soil, Dynamic Plant</i> 6 (Special Issue 1): 38-42 ( ISSN 1749-6500)
	<b>Kavitha, B and D.J Bagyaraj.</b> 2010. Fungal diversity in the burrow wall soil of <i>Lampito mauritii</i> . <i>Journal of Soil Biology and Ecology</i> 30, 123-133. ( ISSN 0970-1370)
	<b>Kavitha, B and D.J Bagyaraj.</b> 2011. Antagnistic activity of drilosphere bacteria and actinomycetes against plant pathogens. <i>Journal of Soil Biology and Ecology</i> 31, 236-238
	<b>Dr. Arun Jyothi Mathias</b>
	<b>2013 ArunJyothi Mathias</b> and Manjunath K. Occupational Exposure to airborne fungi and bacteria in a garment manufacturing unit. In: Update on Respiratory Diseases and Allergy. Ed. J K Mishra.Tara Book Agency, Varanasi. 201 – 232. <b>ISBN 81-85403-110-6</b>
	<b>2012 ArunJyothi Mathias,</b> Pavitra K B, Manjunath K. Phylogenetic analysis of airborne fungal allergens using Bioinformatic tools. <i>JCIB</i> Vol 5(1):1 – 11. <b>ISSN: 0973-385X</b>
	<b>2012 ArunJyothi Mathias</b> and Manjunath K. 2012.Determination of aerial microbial contamination at Gymnasium.Ind J Aerobiol.1:1-12. <b>NAAS rating 2.6</b>
	<b>2010 ArunJyothi Mathias,</b> VibhaTrivedi, Hephzibah John, SufiaZaneb, Umadevi M, Mamatha T. 2010. Assessment of Bioaerosols in selected indoor and outdoor locations of Bangalore. Proceedings of 3rd National Women’s Science Congress organised by RashtriyaMahilaVijnanaSammelana.
	<b>2009 ArunJyothi Mathias</b> and Manjunath K. 2009.Biodiversity of Multiple Drug Resistant Gram-negative Bacilli from Indoor Air. In: Antimicrobial Resistance:From emerging Threat to Reality. Ed Rubina Lawrence. Narosa Pub, New Delhi. 257 – 267 <b>ISBN 978-81-8487-060-2</b>
	<b>Dr. Vishwanatha T</b>
	Spoorthi N Jain * <b>Vishwanatha T</b> , Reena V, Divyashree BC Aishwarya Sampath, Siddhalingeswara KG, Venugopal N., Ramesh I. 2012. Antibiotic synergy test: Checkerboard method on multidrug resistant <i>Pseudomonas aeruginosa</i> . <i>International research Journal of pharmacy.</i> 2(12).pp 196-198
	Divyashree BC, * <b>Vishwanatha T</b> , Spoorthi N Jain , Reena V, Aishwarya Sampath, Siddhalingeswara KG, Venugopal N. Evaluation of in vitro synergy between ampicillin and kanamycin against <i>staphylococcus aureus</i> <i>Journal of Drug Delivery &amp; Therapeutics</i> ; 2012, 2(4), 144-146
	F Soundra Josephine1, Ramya V S1, Neelam Devi1, Suresh Babu Ganapa2,Siddalingeswara K. G1. Venugopal. N1 and Vishwanatha T: <b>2012.</b> , Isolation, production and characterization of protease from <i>Bacillus Sp</i> isolated from

	soil sample. <i>J. Microbiol. Biotech. Res.</i> , 2012, 2 (1):163-168
	Mohsin S. Mushtaq, Sunil Dutt , Siddalingeshwara K.G, Karthic J, Jayaramu M, Naveen mani1, <b>Vishwanatha. T</b> and Prathibha. K.S. (2012). Optimization of fermentation conditions for the biosynthesis of L-Asparaginase by <i>Penicillium</i> sp. <i>J. Acad. Indus. Res.</i> Vol. 1(4)
	<b>Vishwanatha T.</b> , Aishwarya Sampath, Spoorthi N. Jain, Divyashree B.C., Reena V., Sowmya G., MohanKumar B.S., Venugopal N., Sharangowda J. Patil and Siddalingeshwara K.G.(2012) A Novel Approach for Screening and Synthesis of $\beta$ - Galactosidase from Microbial Origin., <i>International Journal of Applied Biotechnology and Biochemistry</i> . Volume 2, Number 3 pp. 285-290
	Aishwarya Sampath, <b>Vishwanatha T*</b> , Sathishagouda S, Spoorthi N Jain ., Divyashree B.C., Reena V., Siddhalingseshwara K.G., Venugopal. N. and Dayanad A.(2011) Bacteriophage: Novel biocontrol agent against citrus canker., <i>Asiatic Journal of Biotechnology Resources</i> ; 2011; 2 (6) 775-779
	Ramesha I, <b>Vishwanatha T</b> , Ravi Kumar M and Siddalingeshwara K.G. (2011) An Approach on Hydrochemistry of Bandri Tank Water in Harapanahalli, Davangere District of Karnataka. <i>Journal of Pharmaceutical Research &amp; Clinical Practice</i> , Apr-June ; 1(2):
	<b>Vishwanatha T</b> , Spoorthi N.Jain, Reena V, Divyashree B.C, Siddalingeshwara K.G, Karthic J and Sudipta K.M.(2010). Screening of substrates for protease production from <i>bacillus licheniformis</i> . <i>International Journal of Engineering Science and Technology</i> . Vol. 2(10), 6550-6554
	Sharangouda J. Patil, Satishagouda S., <b>Vishwanatha T</b> . And Saraswati B. Patil. (2010). Effect of <i>terminalia bellirica</i> barks extracts on activities of accessory reproductive ducts in male rats. <i>International Journal of Pharmaceutical Sciences Review and Research</i> . Volume 1, Issue 2, Article 015.
	Siddalingeshwara K.G, Dhatri Devi N, Pramoda T, and <b>Vishwanatha T</b> . Sudipta K. M and Mohsin S.M (2010) Rapid Screening and Confirmation Of L-Glutaminase Producing Novel <i>Aspergillus Wentii</i> . <i>International Journal of Chem. Tech Research</i> . Vol.2, No.2, pp 830-833.
	Siddalingeshwara K.G, Uday.J 2, Huchesh C.H2, Puttaraju H.P, Karthic J, Sudipta K.M ,Pramod T and <b>Vishwanatha T</b> . (2010) SCREENING AND CHARACTERIZATION OF PROTEASE FROM <i>BACILLUS SP</i> . <i>International Journal of Applied Biology and Pharmaceutical Technology</i> . Vol- I.,2.pp 575-581
	Vishwanatha T., Shankariah. M and Lingappa K., (2009) Bacteriophage therapy against antibiotic resistant <i>E. coli</i> causing diarrhea. <i>An International Journal of The Bioscan</i> , 4, (2):353-354
	<b>Vishwanatha T</b> and Dyanand A (2009) Prevalence of Methicillin Resistant <i>Staphylococcus aureus</i> in Gulbarga, Karnataka. <i>J. Microbial World</i> . 11(2):179-183
	Satishgoud S., Sharangouda J. Patil, <b>Vishwanatha T</b> . and Saraswati B. Patil. (2009). Contraceptive effect of <i>Terminallia bellirica</i> (Bark) extract on male albino rats. <i>Pharmacologyonline</i> 2: 1278-89

	<b>Vishwanatha T.</b> , Satishgouda S., Sharangouda J Patil and Saraswati B. Patil. (2009).Antiimplantation activity of <i>Terminallia bellirica</i> bark extract in female albino rats. <i>An Indian journal of biotechnology</i> Vol 3 (4):257-260	
	Siddalingeshwara K.G., Namdimi N.M., <b>Vishwanatha T.</b> ,Sudipta K.M and Mohsin S.M. (2009) Microbial lipase-screening and optimization from <i>Penicillium expansum</i> . in <i>An International Journal of The Bioscan</i> .4(4). 599-601.	
	<b>Sri A. Dhullappa</b>	
	Xylanase Screening and Biosynthesis from <i>Aspergillus tamaritii</i> International Journal of current microbiology and applied Science, Volume 2 Number 7, 2013	
21	Areas of consultancy and income generated	The department has been consulted for pure cultures of bacteria and fungi and for protocols of practical experiments of Bangalore University. No income is generated from these activities
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	
	<b>Dr. Kavitha B</b>	Member of Association of Microbiology in India (Bangalore chapter) Member of the American Association for the Advancement of Science Executive member of Association of Applied Microbiologist. Member- Mycological Society of India Teacher Member - Indian Academy of Sciences Member- Indian academy of allergy
	<b>Dr. Arun Jyothi Mathias</b>	Editorial Board Member, International Journal of Horticulture and Crop Science Research (IJHCSR) Editorial Board Member, International Journal of Molecular Genetics (IJMG) Editorial Board Member, International Journal of Applied Biotechnology and Biochemistry(IJABB) Editorial Board Member, Developmental Microbiology and Molecular Biology (DMMB) Editorial Board Member, The International Journal of Agriculture Food Science & Technology (IJAFST) Editorial Board Member, International Journal of Biotechnology and Bioengineering Research (IJBBR) Editorial Board Member, International Journal of Genetic Engineering and Biotechnology (IJGEB) Editorial Board Member, International Journal of Applied Agricultural Research(IJAAR) Book Reviewer: <i>Microbiology: A Clinical Approach</i> by Strelkauskas,

		Garland Science/ Taylor and Francis Group.		
23	<b>Student projects</b>			
	a) Percentage of students who have done in-house projects including inter departmental/programme	All IV semester M.Sc. Students do projects		
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	M.Sc. students 100%		
24	Awards / Recognitions received by faculty and students			
	<b>Name of the Faculty</b>	<b>Awards / Recognitions received by faculty and students</b>		
	Dr. Kavitha B	Awarded Doctorate by Manipal University 2012 Mentor for DST-INSPIRE Best Teacher Award 2013-14 from ISBR Business school, Bangalore – 5th September 2013		
	Dr. Arun Jyothi Mathias	Awarded Doctorate by Bangalore University 2010 Mentor for DST-INSPIRE		
	Dr. Vishwanatha T	Best oral presentation in national level conference on clinical microbiology and bioengineering held in Pudukotiy, Tamil Nadhu on 23-24 March 2010. Best poster award: National conference on biotechnological approaches in medicinal and aromatic plants research March 21-22, 2013 2 <sup>nd</sup> prize in oral presentation in national conferences on biological advances and its application (BARE-GSC-2014) ON 2 AND 3 <sup>RD</sup> Sept 2014. Bangalore		
	Ms. Priscilla Anthony	V Rank M.Sc. 2012		
24	List of eminent academicians and scientists / visitors to the department			
	<b>Name of Invitee</b>	<b>Institution/University details</b>	<b>Event</b>	<b>Topics spoken</b>
	Prof. Jayant B Udgaonkar	NCBS, Bangalore	Faculty Development Program in Microbiology	Protein Misfolding and Diseases
	Prof. Anjali A Karande	Department of Biochemistry, IISc., Bangalore		Immunology of Cancer
	Prof. Dipankar	Department of Biochemistry, IISc.,		Major Histocompatibility
				09-02-2011

	Nandi	Bangalore		Complex	
	Prof. Udayakumar Ranga	Molecular Biology and Genetics Unit JNCASR, Bangalore		Ways and means to improvise performance of an HIV DNA vaccine	
	Prof. D.N. Rao	Department of Biochemistry, IISc., Bangalore	Faculty Development Program in Microbiology	Restriction Modification Enzymes	10-02-2011
	Prof. Sowdhamini,	NCBS, Bangalore		Role of Bioinformatics in Morden biology	
	Prof. M R N Murthy	Department of Molecular Biophysics Unit, IISc., Bangalore		Protein Structure	
	Prof. Umesh Varshney	Department of Biochemistry, IISc., Bangalore		Mechanism of Protein Synthesis in Prokaryotes	11-02-2011
	Prof. S. Mahadevan	Department of MRDG, IISc., Bangalore		Evolution in the microbial World	19- 09-2013
	Prof. D.N. Rao	Department of Biochemistry, IISc., Bangalore	Restriction Modification Systems in H.pylori		
	Dr. Shikha Laloraya		Chromosome organization in Saccharomyces cerevisiae		
	Ms. Avanthika Lal	NCBS, Bangalore	Lecture Workshop on microbial Genomics	Transcriptional control in E.coli: How much RNA polymerase	20-09-2013
	Prof. Umesh Varshney	Department of Biochemistry, IISc., Bangalore		Mechanism of Protein Synthesis	
	Dr. Deepa Agashe	NCBS, Bangalore		Bacterial genome evolution	
	Dr. Saumitra Das	Department of Microbiology and Cell biology, IISc. Bangalore		Translational control of cellular genes by internal initiation	
	Dr. V Nagaraja	Department of Microbiology and Cell biology, IISc. Bangalore		Metagenomics- a revolution in microbiology	
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops				



	<b>Name of the Workshop/ Conference/ Seminar conducted</b>	<b>Date</b>	<b>Number of Participants</b>	<b>Area of Workshop/ Training</b>	<b>Funding agency and amount sanctioned</b>	<b>State or National level</b>
	Faculty Development Program in Microbiology	9-11, March 2011	40 faculty	Micro-biology	Vision Group on Science and Technology and Department of Collegiate Education, Government of Karnataka Amount sanctioned – 1.5 lakhs	State level
	Lecture Workshop on microbial Genomics	19-20 Sep 2013	224 students and faculty	Microbial genomics	Indian Academy of Sciences Amount sanctioned – 97000/-	Colleges in Bangalore
27	<b>Diversity of Students</b>					
	<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>		
	B.Sc	99%	1%	Nil		
	M.Sc.	100%		Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? Nil					
29	Student progression					
	Student progression				Against % enrolled	
	UG to PG				30%	
	PG to M.Phil.					
	PG to Ph.D.				1%	
	Ph.D. to Post-Doctoral					
30	Employed					
	• Campus selection					
	• Other than campus recruitment					
	Entrepreneurship/Self-employment					
31	Details of Infrastructural facilities					
	a) Library				Departmental library has more than 700 books	
	b) Internet facilities for Staff & Students				yes	

	c) Class rooms with ICT facility	01
	d) Laboratories	01 UG and 02 PG, 01 Research Lab
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	Every year final year B.Sc. and M.Sc. students visit Institutes and industries to get a first hand view of their activities.
34	<b>Teaching methods adopted to improve student learning</b>	
	<ul style="list-style-type: none"> <li>• Use of ICT facilities and power point presentations</li> <li>• Peer discussion and presentation</li> <li>• Group Discussion and assignments</li> <li>• Field trips to augment learning ,Laboratory experiments in groups for better understanding</li> </ul>	
35	Participation in Institutional Social Responsibility (ISR) and Extension activities	
	Wall Magazine 'PROBE' is maintained by the students A group Email ID has been created to be in constant touch with Alumni Educational Visits to Industries and Institutions Poster and oral presentation by students	
36	<b>SWOC analysis of the department and Future plans</b>	
	<p><b>STRENGTH of Department :</b></p> <ul style="list-style-type: none"> <li>• Good infrastructure with qualified staff</li> <li>• Results 80% of UG and 90% for PG</li> <li>• Ranks in PG</li> <li>• Department Library with 700 books</li> <li>• Ongoing Student project</li> <li>• Bioinformatics Infrastructure Facility is a part of the Department</li> <li>• 4 minor research projects completed, 2 ongoing</li> </ul> <p><b>WEAKNESS of department:</b></p> <ul style="list-style-type: none"> <li>• Lack of research lab</li> <li>• Shortage of teaching and non teaching staff</li> </ul> <p><b>OPPORTUNITIES :</b></p> <ul style="list-style-type: none"> <li>• Use of Alumni for placements</li> <li>• Group mail for interaction with Alumni</li> <li>• Take students progression</li> <li>• Increase Publications both students and faculty</li> </ul> <p><b>CHALLENGE:</b></p> <ul style="list-style-type: none"> <li>• Placement</li> <li>• Non availability of full time teachers</li> </ul> <p><b>Future Plans</b></p> <ul style="list-style-type: none"> <li>• To establish Research center</li> <li>• Increase publications</li> </ul>	

**Department of Physics**

1	Name of the department	<b>Physics</b>				
2	Year of Establishment	1938				
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG and PG				
4	Names of Interdisciplinary courses and the departments/units involved					
5	Annual/ semester/choice based credit system (programme wise)	Semester Scheme and also CBS from 2014				
6	Participation of the department in the courses offered by other departments					
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil				
8	Details of courses/programmes discontinued (if any) with reasons	Nil				
9	<b>Number of Teaching posts</b>	<b>Sanctioned</b>		<b>Filled</b>		
	Professors	00		00		
	Associate Professors	05		05		
	Asst. Professors	08		08		
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Dr.Sandhya Kulkarni	M.Sc. Ph.D.	Associate Professor	Solid State Physics	27	Nil
2	Dr. G. Ramgopal	M.Sc. Ph.D.	Associate Professor	Electronics	27	Nil
3	G. Krishna Reddy	M.Sc. M.Phil (Ph.D)	Associate Professor	Solid State Physics	23	Nil
4	Dr. G. Sriprakash	M.Sc.	Associate Professor	Solid State Physics	17	Nil
5	Dr. S.S. Bellad	M.Sc.	Assistant	Solid State	16	02

		Ph.D.	Professor	Physics		
6	Dr. Nadaf Y.F.	M.Sc. M.Ed. M.Phil. Ph.D.	Assistant Professor	Spectroscopy/Material Science	16	Nil
7	KarnamMadhavi	M.Sc. (Ph.D.)	Assistant Professor	Electronics	10	Nil
8	Dr. Vijaykumar G.	M.Sc. M.Phil. Ph.D.	Assistant Professor	Solid State Physics	10	Nil
9	Dr.Hanumantharaju.N	M.Sc. M.Phil. Ph.D.	Assistant Professor	Solid State Physics	10	Nil
10	Sunanda.S	M.Sc. M.Phil.	Assistant Professor	Biophysics	07	Nil
11	Jayasheelan.A	M.Sc. M.Phil. (Ph.D.)	Assistant Professor	Spectroscopy	12	Nil
12	Dr.Jayashree.B	M.Sc. M.Phil. Ph.D.	Associate Professor	Nuclear Physics	20	Nil
13	B.G.Giridhar	M.Sc. M.Phil.	Assistant Professor	Spectroscopy	15	Nil
11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty					Nil
13	Student -Teacher Ratio (programme wise)					<b>1:41(UG), 1:24(PG)</b>
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled					Nil
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					
	Ph.D					
	M.Phil.					
	PG					
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b>					
	Name	Funding Agency	National/International		Grant received in Rs	
	Dr. Y.F.Nadaf	UGC	National		70,000.00	
	Dr.S.S.Bellad	UGC	National		1,40,000.00	

	Karanam Madhavi	UGC	National	1,10,000.00
	Jayasheelan. A	UGC	National	83,500.00
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received			UGC = 04, Rs.4,03,500.00
18	Research Centre /facility recognized by the University			Not yet recognized as research centre
19	<b>Publications:</b>			
20	a) Publication per faculty			5.5 Faculty =66, Students=Nil 02 Elsevier
<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>				
<b>Dr.Sandya Kulkarni</b>				
Dielectric and electrical studies of $Pt^{3+}$ doped nano CaSiO <sub>3</sub> Perovskite ceramics. Sandhya Kulkarni <sup>1</sup> , B M Nagabuhushana <sup>2</sup> , Narsimha parvatiakar <sup>3</sup> Anil Kumar Koppalkar <sup>4</sup> , C Shivakumara <sup>5</sup> and R Damle <sup>1</sup> . Materials Research Bulletin 50(2014),197-202.				
Synthesis, luminescence and EPR studies on CaSiO <sub>3</sub> : Pb, Mn nano phosphors synthesized by the solution combustion method, Sandhya Kulkarni, B M Nagabuhushana, N. Suriyamurthy, C Shivakumara, R.P.S. Chakradhar, R Damle, Ceramic Instrumentation., 39(2013) 1917-1922.				
Effect of gamma irradiation on the dielectric and conductivity properties of nanowollastonite, Sandhya Kulkarni <sup>1</sup> , B M Nagabuhushana <sup>2</sup> , Narsimha parvatiakar <sup>3</sup> , C Shivakumara <sup>4</sup> and R Damle <sup>1</sup> ISRN Materials, volume 2011, (2011) 1-6 ID808560.				
<b>Dr.S.S.Bellad</b>				
Structural, Electrical and Magnetic Properties of $Y[Li_{0.5}Ni_{0.75-x/2}Zn_xFe_2O_4] + (1-Y)[Ba_{0.5}Sr_{0.5}TiO_3]$ ME Composites. S.U. Durgadsimi, S.S. Chougule, B.K. Chougule and S.S. Bellad* <i>Inter. J. Engineering Science and Technology</i> , 1 (3) (2011) 553.				
"Dielectric Properties of $Y[Li_{0.5}Ni_{0.75-x/2}Zn_xFe_2O_4] + (1-Y)[Ba_{0.5}Sr_{0.5}TiO_3]$ ME Composites. S.U. Durgadsimi, S.S. Chougule, C.H. Bhosale, B.K. Chougule and S.S. Bellad* <i>Materials Chemistry and Physics</i> , 131(1-2) (2011) 199-204.				
"Studies on Electrical Properties of $Y[Li_{0.5}Ni_{0.75-x/2}Zn_xFe_2O_4] + (1-Y)[Ba_{0.5}Sr_{0.5}TiO_3]$ ME Composites. S.U. Durgadsimi, S.S. Chougule, C.H. Bhosale, B.K. Chougule and S.S. Bellad* <i>Inter. J. Engineering Science and Technology</i> , 3 (2) (2011) 1446				
National seminar on "Physics of Materials and Materials Based Device Fabrication" Presented a paper "Synthesis and characterization of Li-Mg : BaTiO <sub>3</sub> composite materials" Held at Department of Physics, Shivaji University, Kolhapur,				

(Maharashtra) on 17-18, February, 2011.
<b>Dr.Vijaya Kumar G</b>
“Investigations on Fe <sup>3+</sup> doped polyvinyl alcohol films with and without gamma (γ)- Irradiation”, <b>Applied Surface Science</b> , <b>255</b> , 7047-7050(2009)
“Study of the Semiconducting Behavior of La (No3)3 Doped Polyvinyl Alcohol Films with and Without Gamma (γ) – Irradiation”, <b>Journal of Applied Sciences Research</b> , <b>4(11)</b> , 1603-1609(2008)
.”Doping and Irradiation dependence of electrical conductivity of Fe <sup>3+</sup> and Ni <sup>2+</sup> doped Polyvinyl alcohol films”, <b>Actaphysicapolonica A</b> , <b>117(6)</b> ,917-920(2010).
“Effect of Doping (Mn <sup>2+</sup> ions) on The Optical/Mechanical Properties of Spin Coated Polyvinyl Alcohol Films” DAE,SSP(INDIA) 52 ,669-670 (2007).
<b>Jayasheelan.A</b>
Study of distribution of radionuclides in cultivated land in and around Chikmagalur, Karnataka, India. Manjunatha S, <u>Jayasheelan A</u> and P Venkataramanaiah Published in Radiation Protection and Environment, Year 2011, Volume 34, Issue [p. 193-196]DOI: 10.4103/ISSN: 0972-0464.101720 Date of web publication: 27-Sep-2012
Study on airborne radioactivity levels in dwellings of Tumkur district, Karnataka state, India. <u>Jayasheelan.A</u> <sup>1</sup> , Sannappa.J <sup>2</sup> , Umeshreddy.K <sup>3</sup> , C.Ningappa <sup>4</sup> & Manjunatha.S <sup>5*</sup> Published in Radiation Protection and Environment, Year 2011, Volume 34, Issue 4 [p. 225-228]DOI: 10.4103/ISSN: 0972-0464.106073 Date of web publication: 17-Jan-2013
Estimation of radium and Radon concentration in drinking water in and around Tumkur, Karnataka, India. <u>Jayasheelan.A</u> , Manjunatha.S&Sannappa.J Published in Narosa publishing house, New Delhi-110002. ISBN 978-81-8487-259-0 (May-2013).
Study of distribution of <sup>226</sup> Ra, <sup>232</sup> Th and <sup>40</sup> K in soil samples of Chickmagalur area and their dose estimation. <u>Jayasheelan.A</u> and Manjunatha. S Published in Narosa publishing house, New Delhi-110002. ISBN 978-81-8487-182-1 (2013).
Radon concentration in atmosphere and its variation with depth of the soil in and around Tumkur, Karnataka, India. <u>Jayasheelan.A</u> , Manjunatha.SSannappa.J , Umeshreddy.K , C.Ningappa Published in International Journal of Advanced Scientific and Technical Research Issue 3 volume 2, March-April 2013 ISSN 2249-9954 Available online on <a href="http://www.rpublication.com/ijst/index.html">http://www.rpublication.com/ijst/index.html</a>
Study of natural radioactivity and estimation of radiation dose in the environment of Tumkur, Karnataka, India <u>Jayasheelan A</u> , Manjunatha S <sup>1*</sup> Yashodhara.I <sup>2</sup> , Karunakara.N <sup>3</sup> Published in Radiation Protection Dosimetry on 01-08-2013, doi:10.1093/rpd/nct187, pp. 1–6 Online ISSN 1742-3406 - Print ISSN 0144-8420
Study of distribution of <sup>226</sup> Ra, <sup>232</sup> Th and <sup>40</sup> K in different rock formations and their dose estimation in and around Chickmagalur, India. Manjunatha S, Jayasheelan A and P Venkataramanaiah Published in International Journal of Radiation Research,

	July 2013 Volume 11, No 3, p-183-187	
	<b>Dr.Hanumantharaju N</b>	
	A study of Geomagnetic pulsations and their effects. Published in Indian stream research journal on march-11 ,ISSN2230-7850	
	<b>Dr. Sriprakash G</b>	
	<b>G.Sriprakash</b> , K.P. Ramesh and K. Rukmani2013. First Principles calculations of electronic structure, optical properties and phase instability of Cesium dihydrogen arsenate . <i>J. Spectrosc. Dyn.</i> 2013, 3: 9	
	<b>G. Sriprakash</b> , S.N. Prabhava, K.P. Ramesh, K. Rukmani 2013. First Principles calculations of electronic structure, optical properties and phase instability of Potassium dihydrogen arsenate <i>Phys. Express</i> , 3 :31	
	Pradeep Kumar , <b>G. Sriprakash</b> ,, K. Rukmani, K.P. Ramesh, D.V.S Muthu 2013 Anomalous Optical Phonons in Cs <sub>0.9</sub> (NH <sub>4</sub> ) <sub>0.1</sub> H <sub>2</sub> AsO <sub>4</sub> mixed crystal: A temperature dependent Raman study <i>AIP Advances</i> 3, 062123	
	Notation and classification of Geomagneticmicropulsation. Published in Indian stream research journal on Aug-2013 , ISSN 2230-7850	
21	Areas of consultancy and income generated	- NIL -
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	-NIL -
23	<b>Student projects</b>	<b>01</b> Preparation of poly vinyl alcohol film as a humidity sensor, Funded by Vision Group of Science and Technology, Rs.30,000.00
	a) Percentage of students who have done in-house projects including inter departmental/programme	Nil
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	NIL
24	Awards / Recognitions received by faculty and students	
	Name of the Faculty	Awards / Recognitions received by faculty and students
	Dr.S.S.Bellad	has been recognized by Morqui's (United States) 'Who is Who in the world'.
	Pavithra.M,	Student of M.Sc., Physics, 2010-11 batch has secured 3 <sup>rd</sup> rank in Bangalore University.
24	<b>List of eminent academicians and scientists / visitors to the department</b>	Nil

25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars / Conferences/Workshop	03 (BBMP, UGC and Indian Academy of Sciences)					
<b>List of Conferences/Seminars/Workshops Attended by the Faculty</b>							
26	Student profile programme/course wise						
	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled	M	F	Pass percentage
	UG	927	490	490	---	490	
	PG	56	29	29	---	29	
27	<b>Diversity of Students</b>						
	<b>Name of the Course</b>	<b>% of students from the same state</b>		<b>% of students from other States</b>		<b>% of students from abroad</b>	
	UG	92		08		Nil	
	PG	100		00		Nil	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA						
29	Student progression						
	Student progression						Against % enrolled
	UG to PG						20
	PG to M.Phil.						Nil
	PG to Ph.D.						02
	Ph.D. to Post-Doctoral						Nil
30	Employed						
	• Campus selection						12
	• Other than campus recruitment						
	Entrepreneurship/Self-employment						05
31	Details of Infrastructural facilities						
	a) Library						85
	b) Internet facilities for Staff & Students						25
	c) Class rooms with ICT facility						10
	d) Laboratories						40
32	Number of students receiving financial assistance from college, university, government or other agencies 58						
33	Details on student enrichment programmes (special lectures / workshops /seminar)						



	with external experts	01
34	<b>Teaching methods adopted to improve student learning</b>	
	<ul style="list-style-type: none"> <li>• Lecture and demonstration method</li> </ul>	
35	Participation in Institutional Social Responsibility (ISR) and Extension activities	N.S.S 20%(UG), N.C.C 10% (UG)
36	<b>SWOC analysis of the department and Future plans</b>	
	<p><b>STRENGTH:</b></p> <ul style="list-style-type: none"> <li>*Well qualified and experienced faculty</li> <li>*Well equipped laboratory</li> </ul> <p><b>WEAKNESS</b></p> <ul style="list-style-type: none"> <li>*Lack of infrastructure</li> <li>*Lack of high profiled equipment for PG course</li> <li>*Lack of Computers and internet facility</li> </ul> <p><b>OPPORTUNITIES :</b></p> <ul style="list-style-type: none"> <li>*Applied for recognition for research center to Gulbarga and Bangalore University</li> <li>Introduced PG course in Physics for women</li> </ul> <p><b>CHALLENGE:</b></p> <ul style="list-style-type: none"> <li>*In the growing IT trend attracting students for basic sciences.</li> </ul>	

**Department of Kannada**

1	Name of the department		<b>Kannada</b>			
2	Year of Establishment		1938			
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG- Language Kannada			
4	Names of Interdisciplinary courses and the departments/units involved		Nil			
5	Annual/ semester/choice based credit system (programme wise)		Semester Scheme and also CBS from 2014			
6	Participation of the department in the courses offered by other departments		--NA--			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programmes discontinued (if any) with reasons		Nil			
9	<b>Number of Teaching posts</b>		<b>Sanctioned</b>		<b>Filled</b>	
	Professors		-		-	
	Associate Professors		02		02	
	Asst. Professors					
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Dr. L.G. Meera	B.Sc., M.A., Ph.D., PDRF	Associate Professor	Criticism	18 Years	Four
2	Dr. M.S. Asha Devi	B.A., M.A. Ph.D.	Associate Professor	Criticism	18 years	Four

11	List of senior visiting faculty	Nil
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty	50% in year 2013-14 Nil in 2014-15
13	Student -Teacher Ratio (programme wise)	350 : 1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	NIL
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.	Two Ph.D.s, one PDRF
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b>	
	<b>Name of the Faculty</b>	<b>Title of the project</b>
	<b>Funding agency</b>	<b>Grants received</b>
	<b>Term of the project</b>	<b>status</b>
	Sri. ganagadh arayya	Classical language studies
	UGC	
	2008-11	Completed
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	NIL
18	Research Centre /facility recognized by the University	Not yet recognized as research centre
19	<b>Publications:</b>	
20	a) Publication per faculty	
	• Chapter in Books	
	• Books Edited	
	<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>	
	Dr.L.G Meera	
	<ul style="list-style-type: none"> <li>• Aakasha malligeaya, Ghama - story collection in Kannada, 2010</li> <li>• Rangashale – Children drama collection, 2010</li> <li>• Aadhishakthiya lekhani – Collection of critical essays, 2010</li> <li>•</li> <li>• Translated articles for the book Madhyama Marga - 2009</li> </ul>	
	<b>Dr. M.S Asha Devi</b>	
	<ul style="list-style-type: none"> <li>• Veena Shantheshwara Vachike – Edited work</li> <li>• Naduve Suliva Atma – Collection of critical essays</li> </ul>	

	<ul style="list-style-type: none"> <li>• Hudugarada Dukha – Edited work</li> <li>• Editor for Children India Publishers</li> </ul>	
21	Areas of consultancy and income generated	<ol style="list-style-type: none"> <li>1. Dr L G Meera, Dance Direction to various programs in college and outside out of interest. It's a honorary service</li> <li>2. Dr. M S Asha Devi, works as resource person in the field of literary criticism, it's a honorary service</li> </ol>
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	NIL
23	<b>Student projects</b>	
	a) Percentage of students who have done in-house projects including inter departmental/programme	Nil
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	Nil
24	Awards / Recognitions received by faculty and students	
	<b>Name of the Faculty</b>	<b>Awards / Recognitions received by faculty and students</b>
	1.Dr.L.G Meera	Makkala Chandira award by Bala Vikasha Academy – 2010 Budhdha Prashasthi by Rangothri association – 2011 R.Kalyanamma Prashasthi by Makkala Koota – 2012
	2. Dr.M.S.Asha Devi	Infosys award for Literature – 2008 V.M. Inamdar award – 2011 G.S.Shivarudrappa award - 2011
24	<b>List of eminent academicians and scientists / visitors to the department</b>	
	<ul style="list-style-type: none"> <li>• Sri. M.H.krishnayya in year2009-10</li> <li>• Sri.Jayanth Kaikini in year 2010-11</li> <li>• Sri. Richard Louis in year 2011-12</li> <li>• Smt. H L Pushpa in year 2012-13</li> <li>• Sri. P.Dandavathi, B.Jayaprakash in year 2013-14</li> </ul>	
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops	
26	Student profile programme/course wise	NA
27	<b>Diversity of Students</b>	

	Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
	B. Sc	97%	3%	Nil
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA			
29	Student progression			
	Student progression	Against % enrolled		
	UG to PG	In Science colleges' number of students pursuing, Language Ph.D., is not a considerable number		
	PG to M.Phil.			
	PG to Ph.D.			
	Ph.D. to Post-Doctoral			
30	Employed			
	• Campus selection			
	• Other than campus recruitment			
	Entrepreneurship/Self-employment			
31	Details of Infrastructural facilities			
	a) Library	4783 Kannada books which are there in college library are the resource		
	b) Internet facilities for Staff & Students	Facility available in college is used for the department		
	c) Class rooms with ICT facility	Facility available in college is used for the department		
	d) Laboratories	NA		
32	Number of students receiving financial assistance from college, university, government or other agencies NA			
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts			
	<b>Date and Year</b>	<b>Speaker</b>	<b>Topic</b>	
	2012	Gouri lankesh	Kannada literature	
	28-1-2014	H.Nagaveni	Kannada literature	
34	<b>Teaching methods adopted to improve student learning</b>			
	Using OHP and ICT facilities			
	Lecture by teacher			
	Class discussion conducted by teacher			
	Recitation oral questions by teacher answered orally by students			
	Group Discussion			

	Student reports by individuals		
	Bulletin boards		
	Textbook assignments, Arranging Field trips, Using Dance, Music, Drama and Cinema to improve the quality of learning		
35	Participation in Institutional Social Responsibility (ISR) and Extension activities		
	<b>Extension activity</b>	<b>Activities</b>	<b>Year and No.of programs</b>
	Dr.L.G. Meera	Participate as resource person for Bharatha Naatiyam workshop and Feminist program	2009 – 6 2010 – 28 2011 - 29 2012 – 28 2013 - 24
	Dr.M.S Asha Devi	Participate as resource person in various literary programs and has written forward to 13 books	2009 - 2014
36	<b>SWOC analysis of the department and Future plans</b>		
	<p><b>STRENGTH of Department :</b></p> <ul style="list-style-type: none"> <li>• Well qualified and experienced teaching faculty</li> <li>• Kannada results are very good, between 90 and 100%</li> </ul> <p><b>WEAKNESS of department:</b></p> <ul style="list-style-type: none"> <li>• Library is not updated</li> <li>• Lack of language lab</li> <li>• No internet facility in the department</li> </ul> <p><b>OPPORTUNITIES :</b></p> <ul style="list-style-type: none"> <li>• Students can take up PG in kannada if they wish</li> <li>• They can make use of their local language skills in NGO work</li> <li>• Conduction of workshops</li> <li>• Major minor research projects</li> </ul> <p><b>CHALLENGE:</b></p> <ul style="list-style-type: none"> <li>• Declining quality of the students</li> <li>• Frequent transfers</li> <li>• To create a decisive role for the languages in the dynamics of the college</li> <li>• To create a literary environment to conduct programs</li> </ul> <p><b>FUTURE PLANS</b></p> <ul style="list-style-type: none"> <li>• To conduct more literary programs</li> <li>• Encourage scientific writing in kannada &amp; conduct a certificate course in this subject.</li> </ul>		

### Department of English

1	Name of the department	<b>English</b>				
2	Year of Establishment	1938				
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG				
4	Names of Interdisciplinary courses and the departments/units involved	NIL				
5	Annual/ semester/choice based credit system (programme wise)	Semester Scheme and also CBS from 2014				
6	Participation of the department in the courses offered by other departments	NIL				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil				
8	Details of courses/programmes discontinued (if any) with reasons	Nil				
9	<b>Number of Teaching posts</b>	<b>Sanctioned</b>		<b>Filled</b>		
	Professors	-		-		
	Associate Professors	-		-		
	Asst. Professors	-		02		
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Radha krishna.G. V	M.A,M. Phil	Assistant Professor	Common wealth literature and Phonetics	12	Nil
2	Mamata.R	M.A,M. Phil	Assistant Professor		06	Nil
11	List of senior visiting faculty				Nil	

12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty	Nil		
13	Student -Teacher Ratio (programme wise)	125:1		
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	No. of academic support staff : 2		
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.	PG,SLET-01 PG,MPhil-01		
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	:NIL		
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	NIL		
18	Research Centre /facility recognized by the University	NIL		
19	<b>Publications:</b>			
20	a) Publication per faculty			
	<b>Name of the faculty</b>	<b>Year</b>	<b>Publication</b>	<b>Short stories</b>
	Mamata.R	2014	Vijayanext	PARaspara
		2013	Kannadaprabha	Sadhya
		2013	Prajavani	Atitallana Atinishayabda
		2012	Vijayakarnataka	Galibanamane amadu
		2012	Vijayavani	Krishnabuddhama havira
		2013	Sankramana	Madamboveriyan nu Navyaru ishtapaduvudilla
		2009	Kannadapustakapr adhikara Govt of Karnataka	Nishedita Hadugalu
21	Areas of consultancy and income generated	- NIL -		
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	-NIL-		
23	<b>Student projects</b>			
	a) Percentage of students who have done in-house	Nil		



	projects including inter departmental/programme		
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies		NII
24	Awards / Recognitions received by faculty and students		NIL
26	Student profile programme/course wise		
27	<b>Diversity of Students</b>		
	<b>Year</b>	<b>Name of the Course</b>	<b>% of students from the same state</b>
			<b>% of students from other States</b>
			<b>% of students from abroad</b>
	2009	I B. Sc	94.19
		II B. Sc	95.22
		III B. Sc	95.50
			5.81
			4.78
			4.5
			Nil
			Nil
			Nil
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA		
31	Details of Infrastructural facilities		
	a) Library		NO
	b) Internet facilities for Staff & Students		NIL
	c) Class rooms with ICT facility		NIL
	d) Laboratories		
32	Number of students receiving financial assistance from college, university, government or other agencies		
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts nil		
34	<b>Teaching methods adopted to improve student learning</b>		
	<ul style="list-style-type: none"> <li>Group Discussion, Communicative Teaching method,</li> </ul>		
35	Participation in Institutional Social Responsibility (ISR) and Extension activities		
36	<b>SWOC analysis of the department and Future plans</b>		
	<p><b>STRENGTH of Department :</b></p> <ul style="list-style-type: none"> <li>Excellent&amp;Consistent Result(95-100%)</li> <li>Motivating Creativity&amp;Encouraging literary and Cultural skills among students</li> </ul> <p><b>WEAKNESS of department:</b></p> <ul style="list-style-type: none"> <li>Lack of Language Lab</li> </ul>		

**OPPORTUNITIES :**

- Encouragement to pursue Research, Exposure to writing &Editing through College News Letter and magazine

**CHALLENGE:**

Due to semester system teaching being restricted to guide students for examinations and not much literature is being discussed.

**Future Plans**

Setting up of Language labs

Organizing workshops

**Department of Biotechnology**

1	Name of the department	Biotechnology				
2	Year of Establishment	2001				
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG-B.SC, ( CZBt, CBBT, BISBT )				
4	Names of Interdisciplinary courses and the departments/units involved	( CZBt,CBBT,BISBT )- Biotechnology,Chemistry,Botany,Zoology,Biochemistry				
5	Annual/ semester/choice based credit system (programme wise)	Semester Scheme and also CBS from 2014				
6	Participation of the department in the courses offered by other departments	Currently ancillary academic support is extended to other departments on mutual benefit. especially among life science departments				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil				
8	Details of courses/programmes discontinued (if any) with reasons	Nil				
9	<b>Number of Teaching posts</b>	<b>Sanctioned</b>		<b>Filed</b>		
	Professors	-		-		
	Associate Professors	01		01		
	Asst. Professors	03		03		
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Smt Sathyaprema	MSc, CSIR UGC-NET, EMBA. Advanced Diploma in Bioinformatics	Associate Professor	Molecular embryology.	22 Years	Nil
2	Smt.	M.Sc BT	Assistant	Immunology	8yrs	Nil

	Hema G	CSIR UGC-NET	Professor	gy, Protein expression and isolation, Genetic engineering		
3	Smt Veena MR	MSc BT SLET	Assistant Professor	Genetic engineering, Industrial BT	9yrs	Nil
4	Dr Madhusudan S	MEE, MSc(BT), MPhil(BT), PhD	Assistant Professor	Genetic Engineering RDT, Molecular Entomology	12 yrs	Nil
11	List of senior visiting faculty			Dr Jagadish Mittur Dr Sourabh Mathur Dr Leigh English Dr Vijaychandru Dr Gurusiddesh		
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty			Nil		
13	Student -Teacher Ratio (programme wise)			40:1		
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled			01 -Department supporting staff(Attender)		
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					
	Ph.D					1
	M.Phil.					-
	PG					03
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b>					
	<b>Name of the Faculty</b>	<b>Title of the project</b>	<b>Funding agency</b>	<b>Grants received</b>	<b>Term of the project</b>	<b>status</b>
	Madhusudan S		UGC	2 lakhs	2 years	ongoing

17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	2 Lakhs fund by UGC
18	Research Centre /facility recognized by the University	Not yet recognized as research centre
19	<b>Publications:</b>	
20	a) Publication per faculty	
	<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>	
	<b>S. Madhusudan</b>	
	<b>Madhusudan, S., Jalali, S.K., Venkatesan, T. and Lalitha, Y. (2011).</b> Detection of Insecticide resistance variation in <i>Helicoverpa armigera</i> collected from cotton and tomato fields. <i>Journal of Insect Science</i> . <b>24(2)</b> : 135-141	
	<b>Madhusudan, S., Jalali, S.K., Venkatesan, T., Lalitha, Y. and Prasanna, S. (2011).</b> 16S rRNA gene based identification of gut bacteria from laboratory and wild populations of <i>Helicoverpa armigera</i> from tomato ecosystem. <i>International Journal of Life Sciences (The Bioscan)</i> . <b>6(2)</b> : 175-183.	
	<b>Cloning, sequencing and expression of enolase gene of <i>Enterococcus faecalis</i> V583</b> , Shivaraj, A., Ashok Kumar, C., <b>Madhusudan, S.</b> , Dechamma, H.J., Reddy, G.R., and Suryanarayana, V.V.S., IVRI, Hebbal, Bangalore.	
	<b>4. Nucleotide sequence of enolase gene published in NCBI databases;</b> Sequence Submitted : 08-JUN-2006 Accession Number : AM279410 Version : AM279410.1 GI: 109450809	
	5. Isolated and Sequenced 29 bacterial isolates from the guts of insects <i>Helicoverpa armigera</i> and <i>Trichogramma chilonis</i> submitted to GenBank and obtained their accessions numbers	
21	Areas of consultancy and income generated	- NIL -
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	
	<b>Name of the Faculty</b>	
	Sathya prema	National committees-ABLE. zoology teachers forum, FABE, KGCTA <u>International Bioinformatics .org</u> , Prmia , Gsas Harvard biotech club, Nsta, Nobel prize org, nsf
	Hema G	KGCTA
	Veena M R	Indian Science Congress
	Madhusudan S	Indian Science Congress
23	<b>Student projects</b>	
	a) Percentage of students who have done in-house projects including	Nil

	inter departmental/programme			
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies			NI 1
24	Awards / Recognitions received by faculty and students			
	<b>Name of the Faculty</b>	<b>Awards / Recognitions received by faculty and students</b>		
	1.Prof Veena M R	Dr Hiremath gold medal Award		
	2.Dr Madhusudan S	Doctor of Philosophy from University of Mysore		
24	<b>List of eminent academicians and scientists / visitors to the department</b>			
	1.Dr Jagadish N Mittor 2.Dr Leigh English 3.Dr Ramachandra Swamy			
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops			
	<b>Name Of The Invitee</b>	<b>Institution Details</b>	<b>Events</b>	<b>Topics Spoken</b>
	Mr.Shyam	Scientist, Probiosis	Third Biotech iii programme-	Innovative skills
	Mr.Sourabh	Vice-President, Probiosis	Third Biotech iii programme-	Automation in life sciences
	Dr.Jagadish Mittur	Director, Monsanto, Blr	Third Biotech programme-Talk on Scope and career oppurtunities in corporate sector forscience students	Challenges in Biotechnology
	Sri.Kodandaramaih .K.V	Director, collegiate Education	Government institute and Industry Interaction	4 <sup>th</sup> Biotech summit on Government institute and Industry Interaction
	Dr.Vijay Chandru	Director,Strand Lifesciences and Chairman,ABLE	Corporate needs	4 <sup>th</sup> Biotech summit on Government institute and Industry Interaction
	Dr.Leigh English	Director,	Industrial	4 <sup>th</sup> Biotech

		Monsanto, Blr	Avenues	summit on Government institute and Industry Interaction
	Ms.Sashwati Mishra	IFS	Women in ICT	Women empowerment programme as part of 75 <sup>th</sup> Anniversary celebrations
	Smt.Selvidas	Former MP and Former member of UGC and UPSC, Former Director-Collegiate Education,	Women empowerment	Women empowerment programme as part of 75 <sup>th</sup> Anniversary celebrations
<b>List of Conferences/Seminars/Workshops Attended by the Faculty</b>				
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA			
29	Student progression			
	Student progression	Against % enrolled		
	UG to PG	NA		
	PG to M.Phil.	NA		
	PG to Ph.D.	NA		
	Ph.D. to Post-Doctoral	NA		
30	Employed			
	• Campus selection			
	• Other than campus recruitment			
	Entrepreneurship/Self-employment			
31	Details of Infrastructural facilities			
	a) Library	Department houses a separate library apart from the College main library to cater the need of students and staff. Library has around 450 unique books related to Biotechnology, Genetic engineering, Immunology, Animal Biotechnology, Environmental Biotechnology, Biochemistry,		

		Molecular biology, zoology, wildlife, ecology, physiology, genetics and so on.
	b) Internet facilities for Staff & Students	One system is connected to broadband
	c) Class rooms with ICT facility	smart board facility
	d) Laboratories Laboratories; 1 staff and one AV room	2 UG room, 1 HOD room
32	Number of students receiving financial assistance from college, university, government or other agencies	
33	Details on student enrichment programmes (special lectures / workshops / seminar) with external experts	Workshop on mushroom culture
34	<b>Teaching methods adopted to improve student learning</b>	
	1. Chalk and talk,	
	2. Using OHP and ICT facilities, use of interactive board	
	3. Lecture by teacher	
	4. Class discussion conducted by teacher	
	5. Group Discussion, Student reports by individuals, Bulletin boards, Textbook assignments	
	6. Flowcharts, Arranging Field trips, Laboratory experiments performed by more than two students working together, Student construction of diagrams, charts, or graphs	
	7. Making of posters by students, Use of diagrams, tables, graphs, and charts by instructor in teaching, Use of slides, Use of specimens	
35	Participation in Institutional Social Responsibility (ISR) and Extension activities	some of the students get government scholarship from the Govt. SC/ST welfare fund
36	<b>SWOC analysis of the department and Future plans</b>	
	<b>STRENGTH of Department :</b> K.P.S.C selected meritorious, qualified adequate permanent faculty 2. Research activities involved with faculty and students. 3. CBITS-GOLDEN HELIX the forum of department that includes former and present faculty, students and eminent personalities.	



4. Good percentage of results.
5. Good infrastructure including e-content.
6. Faculty members are actively involved in BOE, BOS of Bangalore University (UG) and other universities.
7. Faculty members are participated and presented research papers in State, National and International Conferences and Symposia.
8. Since it is a government college, the fee structure is nominal.
9. It provides qualified students and faculty.
10. Prime location of the college with good transport facilities.
11. Administration governed by the Government of Karnataka.
12. College with 2(f) and 12(B) under the UGC act facilitates faculty improvement programme (FIP).
13. College with various sub fora that helps the student's overall developments like placements, personality development programme.

**WEAKNESS of department:**

1. Transferrable Job
2. Poor sanitation
3. Lack of modern teaching aids
4. Lack of provision to setup research lab
5. Lack of funds.
6. Lack of proper internet facilities.

**OPPORTUNITIES :**

1. Students are empowered with academic skill to face competitive exam such as KAS, IFS, etc.
2. Department organizes special guest lectures
3. Economically challenged students are trained in remedial classes.
4. Students are taken for industrial visits as part of curriculum
5. Students can become Psychological and genetic counselors.
6. Students can pursue research in life sciences and paramedical courses.
7. Students have job opportunities.

**CHALLENGE:**

1. Semester scheme examination.
2. Inadequate infrastructure.

**FUTURE PLANS:**

To start PG course in Biotechnology and life science  
 Promoting student projects  
 Apply for National and Internationals Conferences and workshops

**Department of Botany**

1	Name of the department	BOTANY				
2	Year of Establishment	1938				
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG-B.SC, ( BZP, CBZ, CBBt, CBMi ) ADD ON COURSE ON” <b>Biodiversity and role of medicinal plant in primary health care”.</b>				
4	Names of Interdisciplinary courses and the departments/units involved					
5	Annual/ semester/choice based credit system (programme wise)	Semester Scheme and also CBS from 2014				
6	Participation of the department in the courses offered by other departments	Biochemistry, Microbiology, Biotechnology, Genetics				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Add-on course in collaboration with Tulsi Foundation.				
8	Details of courses/programmes discontinued (if any) with reasons	(BiGS) GENETICS Combination discontinued because of inadequate student strength.				
9	<b>Number of Teaching posts</b>	<b>Sanctioned</b>	<b>Filled</b>			
	Professors	Nil	Nil			
	Associate Professors		02			
	Asst. Professors		05			
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Dr. K Y Prathibha	M.Phil Ph.D	Associate Professor	Cytogenetics Plant Biotechnology	23 Years	Nil
2	Dr. Jenifer Lolita ON DEPUTATIO N	Ph.D	Associate Professor	Agricultural biotechnology’ plant physiology’ microbiology	28 years	Nil
3	Khamer	M.Phil	Assistant	Cytogenetic		Nil

	Ferzana Banu I S		Professor	and Plant Breeding, Seed Technology	6+11 =17years	
4	Dr. Suresh Kumar C	Ph.D	Assistant Professor	Cytogenetics, Plant Biotechnology and Plant Systematics	15 Years	Nil
5	Geethanjali.R	M.Phil	Assistant Professor	Hydrobiology and ecology	7years	Nil
6	Dr.V.Lalitha	Ph.D	Assistant Professor	Mycology and plant pathology	2+7 years	Nil
7	Nalini. T.J	M.Phil	Assistant Professor	Mycology and plant pathology	7 years	Nil
11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty					Nil
13	Student -Teacher Ratio (programme wise)					45:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled					NA
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					
	Ph.D					4
	M.Phil.					3
	PG					
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b>					<b>3</b>
	<b>Name of the Faculty</b>	<b>Title of the project</b>	<b>Fund ing agenc y</b>	<b>Grants received</b>	<b>Term of the project</b>	<b>status</b>
	Dr.Shuba And Dr.K. Y.Pr athibha	Growth and Antioxidant Content Analysis of Compost and Bioinoculant Treated Medicinal Plants	UGC	1.5 lakhs	2008-09	Comple ted
	Dr.Naraya n Hosmani	Biodegradation and utilization of keratinous waste	UGC	1.5 lakhs	2012-14	Comple ted
	Dr.Khemer	Study of	UGC	1.4 lakhs	2013-2015	Ongoing

	Farzna Banu	rhizosphere and phyllosphere algae of certain medicinal plants				
	Dr.Prathibha K.Y	Understanding the role of noncoding rna's involved in stress responses in commercially important oil groups	UGC	1.4 lakhs	2014-16	Ongoing
	Dr. Suresh Kumar	Antimicrobial activity of <i>Gymnima sylvestre</i> Rbr	UGC	1.3 lakhs	2014-16	Ongoing
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received				5.20 Lakhs	
18	Research Centre /facility recognized by the University				NIL	
19	<b>Publications:</b>					
20	a) Publication per faculty				Enclosed	
	• Chapter in Books				Taxonomical Key Manual By Dr. Suresh Kumar	
	• Books Edited					
<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>						
<b>Dr. K Y Prathibha</b>						
K.Y.Prathibha, M. Sukhada , Shuba," 2014. Development of abnormal somatic embryos in banana cultivar rasthali,nanjangud rasaballi," international journal of bioinnovation,						
Growth antioxidant and npk content analysis of compost ,bio fertilizers treated medicinal plant <i>Alternanthera sessilis</i> , Asian jr. of microbiol.biotech.env.sc,VOL.15 NO.(1):2013:43-46						
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M. Sukhada, K.Y. Prathibha, H.D. Soumya, R.M. Ranganath. (2010)The origin and development of secondary somatic embryos in banana cv. Nanjangud rasbale (silk gp. Rasthali, aab). SHS Acta Horticulturae.(ISHS) 865:349-351						

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	Kiran.B, <b>Lalitha.V</b> and Raveesha.K.A. 2012. Antibacterial activity of bioactive compound isolated from seeds of <i>Psoralea corylifolia</i> L. against Gram Positive and Gram Negative Bacterial species. JOURNAL OF PHARMACY RESEARCH. 5(1):144-146.ISSN: 0974-6943
	Kiran.B, <b>Lalitha.V</b> and Raveesha.K.A. 2012. Evaluation of aqueous extract of seeds of <i>Psoralea corylifolia</i> L. on seed mycoflora, seed germination and seedling vigour of maize seeds. INTERNATIONAL JOURNAL OF LIFE SCIENCE AND PHARMA RESEARCH. 2(2): 40-45. ISSN: 2250-0450.
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Kiran.B, **Lalitha.V** and Raveesha. K.A.2011. *In vitro* evaluation of antifungal activity of *Psoralea corylifolia* L. (seeds) and its different fractions on seed borne fungi of maize. Journal of Chemical and Pharmaceutical Research. 3(4):542-550.ISSN:0975-7384.

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Kiran.B, **Lalitha.V** and Raveesha.K.A.2011. Antifungal activity of aqueous and solvent extracts of seeds of *Psoralea corylifolia* L. against seed borne fungi of maize. International Journal of Drug Discovery and Herbal Research. Pharmacy & Life science 2(10):1133-1136. ISSN: 0976-7126.

	<p>Kiran.B, <b>Lalitha.V</b> and Raveesha.K.A. 2012 <i>In Vitro</i> Evaluation of Antifungal Activity of Bioactive Compound 2h-Furo[2,3-H]-1-Benzopyran-2-one Against Seed Borne Fungi of Maize. International Journal of Drug Development &amp; Research. 4(1): 67-71: ISSN: 0975-9344.</p>	
	<p>Kiran.B, <b>Lalitha.V</b> and Raveesha.K.A. 2011. Antifungal activity of bioactive compound of seeds of <i>Psorelea corylifolia</i> L. against seed borne fusarium species of maize. Journal of applied pharmaceutical science. Vol 01(08):161-164. ISSN: 2231-3354.</p>	
	<p>Kiran.B, <b>Lalitha.V</b> and Raveesha.K.A. 2011. Invitro evaluation of aqueous seed extract of <i>Psoralea corylifolia</i> L on seed germination and seedling vigour of maize. Journal of applied pharmaceutical science. Vol 01(08):128-130. ISSN: 2231-3354.</p>	
	<p><b>Lalitha.V</b>, Raveesha.K.A and Kiran.B. 2010. Antimicrobial activity of <i>Solanum torvum</i> swart. against important seed borne pathogens of paddy. Iranica Journal of Energy &amp; Environment. 1 (2): 160-164. ISSN: 2079-2115.</p>	
	<p>M. Nagaraj,V. Sandhya,G. Supriya,R. Manju, Pranitha Kumari, Shivaji Bole, <b>V. Lalitha</b> and B. Kiran. 2010. Antioxidant and Antibacterial Activity of Avocado (<i>Persea gratissima</i> Gaertner.) Seed Extract. World Applied Science Journal. 9(6): 695-698. ISSN: 1818-4952.</p>	
	<p>Kiran.B, <b>Lalitha.V</b> and Raveesha.K.A. 2010. Screening Of Seven Medicinal Plants For Antifungal Activity Against Seed Borne Fungi Of Maize Seeds. African Journal of Basic &amp; Applied Sciences. 2 (3-4): 99-103, ISSN: 2079-2034.</p>	
	<p>Shivaji.B. Bole 2010. , Manju.R , Nagaraj.M , Sandhya.V , Supriya.G , Pranitha Kumari , Kiran.B and <b>Lalitha.V</b>.2010. Comparative Study Of Antibacterial And Antioxidant Activity Of Plant Extract - Amla [<i>Phyllanthus Emblica</i> L.] Tulsi [<i>Ocimum Tenuiflorum</i> L.] Neem [<i>Azadirachta Indica</i> A.Juss]. <b>Pharmacophore</b>. Vol. 1 (3), 178-183. ISSN: 2229-5402</p>	
21	Areas of consultancy and income generated	Nil
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	Nil
23	<b>Student projects</b>	02 VGST students projects completed 2009-13
	a) Percentage of students who have done in-house projects including inter departmental/programme	Project work done by final year genetic students on gene and genotype frequency of autosomal traits in human. 2009- 20013
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other	NIL

agencies					
Title	Sponsoring organisation	Investigating coordinator	Co-investigator	year	
Antibacterial activity of <i>Sauropus androgynous</i>	VGST-Bangalore	Dr. Shubha	Dr.Shylaja	2010	
Anti microbial activity of <i>costus pictus</i>	VGST-Bangalore	Dr.Shylaja	Dr. Shubha	2010	
24	Awards / Recognitions received by faculty and students				
	<b>Name of the Faculty</b>	<b>Awards / Recognitions received by faculty and students</b>			
	Dr. Suresh Kumar C	Glory of Excellence Education Award By National and International Compendium, New Delhi.			
	Dr.K. Y.Prathibha	Award by kannada samskruthi elake on 2014			
24	List of eminent academicians and scientists / visitors to the department				
SI No	Name of Invitee	Institution/ University details	Event	Topics spoken	Date and time
1.	Vasanth Kumar	Iihr	national conference	biotechnological approaches in medicinal plants	21-03 - 2013
2.	Dilip Kumar	Mysore University	national conference	phytochemistry	
3.	Dr.Prathibha Vinay	Bangalore University	add on course	medicinal plants in primary health care	2011 to 2014
4.	Dr.Fazaludin	Mangalore University	addon course	medicinal plants	23-06 - 2014
5.	Dr. Vijaykumar	Ssmrv College	addon course	medicinal plants	2011 to 2013
6.	Dr. Bharathi Salimath,	Mysore University	national conference	cancer biology	21-03-2013
7.	Dr.A.K. Roy	Bhagalpur	national	conservation	



			University	conference		
	8.	Dr. S .P.Misra,	Sambalpur University, Orissa	national conference	conservation of medicinal plants	22-03-2013
	9.	Dr.Akula Ramkrishna	Csir-Mysore	national conference	secondary metabolites	
	10.	Dr. Srinath Rao	Gulbararga University	national conference	secondary metabolites	
	11.	Dr.R.R.Rao	Central Institute Of Medicinal Plants	national conference	diversity documentation ,biopreservation	08-09-2009
	12.	Sathyanarayan	Mv Institute Of Technology	national conference	biotechnological improvement muc una	
	13.	Dr.D.R.Janardhana	Mysore University	conference	medicinal fungi in bt	
	14.	Dr. Prakash Rao	Gkvk	conference	cultivation of medicinal plants	
	15.	Dr.Shishupala	Davanagere University	conference	endophytic fungi	09-09-2009
	16.	Dr.P.E Rajashekarana	Iihr	conference	patenting	
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops					
	<b>Name of the Workshop/Conference/Seminar conducted</b>	<b>Date</b>	<b>Number of Participants</b>	<b>Amount</b>	<b>Funding agency and amount sanctioned</b>	<b>remarks</b>
	'National Conference on Emerging Trends in Medicinal Plants Research''	8-10-09 & 9-10-09	125	1.4 lakhs	UGC- New Delhi	Completed
	National Conference on "A Biotechnological Approaches in Medicinal	21 st and 22 of march 2013	160	1.5 lakhs	UGC- New Delhi	completed

	and Aromatic Plant Research''						
26	Student profile programme/course wise						
	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled	M	F	Pass percentage
	I B. Sc	150	131	131	Nil	131	79.45%
	II B. Sc	114	114	114	Nil	114	90.6%
	III B. Sc	77	77	77	Nil	77	97.67%
27	<b>Diversity of Students</b>						
	<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>			
	I B. Sc	121	10	Nil			
	II B. Sc	104	10	Nil			
	III B. Sc	70	07	Nil			
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? 2%						
29	Student progression						
	Student progression				Against % enrolled		
	UG to PG				60%		
	PG to M.Phil.				10%		
	PG to Ph.D.				3%		
	Ph.D. to Post-Doctoral				Nil		
30	Employed						
	• Campus selection				20%		
	• Other than campus recruitment				20%		
	Entrepreneurship/Self-employment				10%		
31	Details of Infrastructural facilities						
	a) Library				Departmental library has more than 700 books		
	b) Internet facilities for Staff & Students				yes		
	c) Class rooms with ICT facility				yes		
	d) Laboratories				3 UG Laboratories, 1 Museum		
32	Number of students receiving financial assistance from college, university,						

	government or other agencies	20%
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	
	<b>Name of guest lecturer</b>	<b>Date and time</b>
	Dr. Nagendran .C.R Mysore university	27-09-13, 11am-1pm
	Dr. Ravishankar, senior scientist, IIHR	18-08-12, 11am-1pm
	Dr. Lakshmi Narayan, retired professor, Bangalore university	10-08-11, 12pm-1pm
	Dr.Prathiba vinay	18-09-10
	Mr.Fazal, secretary, KUF	05-08-09, 11am-12pm
	Science day celeration	28-02-14
	Collection trip/Industrial visit	
	<b>Industrial visit/workshop</b>	<b>Date</b>
	HERITAGE GRAPE WINERY INUSTRY, CHENNAPATNA.	11/03/14
	Collection trip-Mysore	02/10/13
	Visit to GKVK	
	Nandi Hills.	25/8/2012
	Animal breeding centre, IIHR, hesargatta	2013
	Animal breeding centre, IIHR, hesargatta	2012
	Collection trip to kodachadri	2009-10
	Collection trip to goa	9 09 2009
	Flower show, lalbagh	18 08 2011
	Collection trip to Mysore	30 09 2009
	Departmental activities	
	<b>activity</b>	<b>date</b>
	Fresher's party-I Yr B.Sc	12-08-13
		welcoming

	Fare well party-IIIyr B.Sc	04-04-14	Send off
	Fresher's party-I Yr B.Sc	25-07-12	Welcoming
	Fare well party-IIIyr B.Sc	08-04-13	Send off
	Planting of medicinal plants	15-08-13	Association with Nisarga eco club
34	<b>Teaching methods adopted to improve student learning</b>		
	Chalk and talk, Lecture by teacher, Using OHP and ICT facilities		
	Class discussion conducted by teacher, Use of slide		
	Recitation oral questions by teacher answered orally by students		
	Student reports by individuals, Group Discussion, Making of posters by students		
	Textbook assignments, Flowcharts, Bulletin boards		
	Arranging Field trips		
	Laboratory experiments performed by more than two students working together		
	Student construction of diagrams, charts, or graphs		
	Use of diagrams, tables, graphs, and charts by instructor in teaching		
35	<b>Participation in Institutional Social Responsibility (ISR) and Extension activities</b>		
	<b>Extension activity</b>	<b>date</b>	<b>topic</b>
	Interview with Dr.Girija ganeshan, Principal scientist, IIHR	10-09-2012	For Darpana college magazine
	Field visit for Bsc students at Bangalore rural areas (Doddaballapura)	14-9-2009	Study of Indian systems of medicine
	Intercollegiate botany fest-flora	14-08-13	Conducted by Christ college, Bangalore
	Intercollegiate botany fest-flora	06-09-12	Conducted by Christ college, Bangalore- won consolation prize
	Sent students to bioneer- seminar	29-31 <sup>st</sup> of Jan 13	Conducted by Jain college
	Student botany quiz team	25-02-13	SSMRV College- won 3 <sup>rd</sup> prize
	Intercollegiate science exhibition	22-03-13	Conducted by MSCW, Bangalore- won 1 <sup>st</sup> prize
	Visit to FRLHT, Bangalore	17-06-14	Use of medicinal plant in primary health care
	Visit to FRLHT, Bangalore	20-06-13	Use of medicinal plant in primary health care
	Visit to FRLHT, Bangalore	05-06-12	Use of medicinal plant in primary health care

	Visit to FRLHT, Bangalore	05-07-11	Use of medicinal plant in primary health care
	Add on course-certificate orientated, coordinators-Dr. Shuba, Dr.C.Sureshkumar, Prof. I S Khamer ferzana banu	2010-15 (5years course)	Biodiversity and role of medicinal plant in primary health care
36	<p><b>SWOC analysis of the department and Future plans</b></p> <p><b>STRENGTH</b>  Result of botany is more than 90 percent  Good slide collection  Add on course  80% of the faculty with Ph.D.  Completed 2 National conferences and 2 minor research projects  Strong teaching learning process</p> <p><b>WEAKNESS</b>  Shortage of technical assistance,  Smart class rooms,  Power back ups,  Botanical garden,  Glass house facility  Gardner  Water supply  Lack of research labs  Dearth of hyginie  Shortage of funds  Store room for herbaria</p> <p><b>OPPORTUNITIES :</b>  Collaboration with the industries  Constant interaction with research institutes  Conduction of workshops  Major minor research projects</p> <p><b>CHALLENGES:</b>  Less employability after graduation  Pure science education  Frequent transfers  Need to revise the course  Declining quality of students</p> <p><b>FUTURE PLANS</b>  Establishment of Botanical garden and research lab with latest infrastructural facilities  To start PG course in Botany  Promoting student projects  Apply for National and Internationals Conferences and workshops</p>		

**Department of Economics**

1	Name of the department			<b>Economics</b>		
2	Year of Establishment			2002		
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.			UG Course in Economics		
4	Names of Interdisciplinary courses and the departments/units involved			Department of Statistics and Department of Mathematics		
5	Annual/ semester/choice based credit system (programme wise)			Semester Scheme and also CBS from 2014		
6	Participation of the department in the courses offered by other departments			Microbiology Entrepreneurship Development Course		
7	Courses in collaboration with other universities, industries, foreign institutions, etc.			Nil		
8	Details of courses/programmes discontinued (if any) with reasons			Nil		
9	<b>Number of Teaching posts</b>			<b>Sanctioned</b>	<b>Filled</b>	
	Professors			-	-	
	Associate Professors			01	02	
	Asst. Professors			-	-	
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Dr. Shobha V. Bhimsen	M.A. Ph.D.	Associate Professor	Banking and Quantitative techniques	22	Nil
11	List of senior visiting faculty					
	<b>Name of the faculty</b>	<b>Institution</b>		<b>Event</b>	<b>Date</b>	
	Dr.Subhashini	St. Joseph College, Blore.		Guest Lecture	3.9.2009	
	Dr. K. Shekhar	NIMHANS,,Blore.		State Level	3.2.2010	

			Workshop			
Dr.Jayaprakash Thomas	ISRO, Bangalore,		State Level Workshop	3.2.2010		
Mr. Perumal IAS	Commissioner, Dept. of Sericulture, Karnataka		State Level Workshop	3.2.2010		
Dr.Prakash	Director,Dept of Science & T Former VC UAS Bangalore		State Level Workshop	3.2.2010		
Dr. Bisalaiah	Former VC ,UAS Blore.		National conference on FDI in Agriculture	29.8.2013		
Mr. S. Sampath Rajan	Mr. S. Sampath Rajan		National conference on FDI in Agriculture	29.8.2013		
Mr. M. Manjunath	Secretary, Karnataka Legislative Assembly, Blore		Guest Lecture on Parliamentary affairs in India	17.3.20014		
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty			Nil		
13	Student -Teacher Ratio (programme wise)			21:1		
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled			No. of academic support staff : 2		
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					
	Ph.D			01		
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b>					
	<b>Name of the Faculty</b>	<b>Title of the project</b>	<b>Funding agency</b>	<b>Grants received</b>	<b>Term of the project</b>	<b>status</b>
	<b>Major Research Projects</b>					
	Prof.Salma Begum	Women Entrepreneurship in India.	UGC	1 YEAR	Rs. 1,10,000	Completed
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received				Rs. 1,10,000	
18	Research Centre /facility recognized by the University				Not yet recognized as research centre	
19	<b>Publications:</b>					

20	a) Publication per faculty						
	<ul style="list-style-type: none"> <li>Chapter in Books , Books Edited</li> </ul>						
<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>							
Dr.Shobha V. Bhimsen							
Dr. Rais Ahamed book on Co-operative Management and Development—Text and Cases Mittal Publications ISBN No.81-8324-2863 2009							
Dr. P. Arunachalam-Inclusive growth in India, serials publication, New Delhi-ISBN No.978-81-8387-3086 2010							
Prof. Mookambika, Dr. Raghukumar- Women in service sector in India- Himalaya Publications ISBN No.878-93-819792-6-6							
Dr. Rais Ahamed, Dr. Mohamd co-operatives in India Regal Publications, New Delhi ISBN No.978-81-81-84-412-2 2014							
Prof. Deepali Khale- Financial inclusion, Issues and Challenges Mittal publications , New Delhi 2013							
21	Areas of consultancy and income generated			Prof. Salma Begum Consultant for CLHRD Mangalore and Dr. Shobha v. Bhimsen consultant for NAFCUB NewDelhi			
22	Faculty as members in a) National committees b) International Committees c) Editorial Board: National Committee- All India Economic Association New Delhi						
23	<b>Student projects</b>						
	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						NIL
24	Awards / Recognitions received by faculty and students Nil						
24	List of eminent academicians and scientists / visitors to the department						
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops						
	<b>Title of Conferences/Workshops/Seminar</b>		<b>Date</b>		<b>Source of Funding</b>		
	State Level Workshop		21 &22 February 2010		UGC & ICSSR		
	National Level Conference		29 & 30 August 2013		UGC		
26	Student profile programme/course wise						
	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled	M	F	Pass percent age
	BS.C EMST	30	20	20	-	20	100



27	<b>Diversity of Students</b>			
	<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
	BSc EMST	90%	10%	NIL
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA			
29	Student progression			
	Student progression		Against % enrolled	
	UG to PG		65%	
	PG to M.Phil.		NIL	
	PG to Ph.D.		NIL	
	Ph.D. to Post-Doctoral		NIL	
30	Employed		30%	
	• Campus selection		50%	
	• Other than campus recruitment		20%	
	Entrepreneurship/Self-employment		15%	
31	Details of Infrastructural facilities			
	a) Library		Sufficient	
	b) Internet facilities for Staff & Students		Required	
	c) Class rooms with ICT facility		Required	
	d) Laboratories		NA	
32	Number of students receiving financial assistance from college, university, government or other agencies			60%
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts : Every semester 2 to three programs are organized			
34	Teaching methods adopted to improve student learning			
	Group Discussion, Interactive Learning Skill Formation Exercises Tests and debates			
35	Participation in Institutional Social Responsibility (ISR) and Extension activities			
36	<b>SWOC analysis of the department and Future plans</b>			
	<p><b>STRENGTH of Department :</b> Well qualified staff, ideal student teacher ratio, personal attention Sufficient library, application based subject combination</p> <p><b>WEAKNESS of department:</b> Less awareness about the combination</p> <p><b>OPPORTUNITIES :</b> To start value added courses in the combination with a PG Course</p> <p><b>CHALLENGE:</b> To increase student Strength To get funds to start Value added courses in Finance and Marketing To Start ICT Facility classrooms</p>			

**Department of Electronics**

1	Name of the department		<b>Electronics</b>			
2	Year of Establishment		1990			
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG			
4	Names of Interdisciplinary courses and the departments/units involved					
5	Annual/ semester/choice based credit system (programme wise)		Semester Scheme and also CBS from 2014			
6	Participation of the department in the courses offered by other departments					
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programmes discontinued (if any) with reasons		Nil			
9	<b>Number of Teaching posts</b>		<b>Sanctioned</b>		<b>Filled</b>	
	Professors		0		0	
	Associate Professors		1		1	
	Asst. Professors		2		2	
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Dr. Gururaj Balikatti	M. Sc, M. Phil, P.hD	Associate Professor	Microwaves	25	Nil
2	Dr. Bharathi	M. Sc, Ph. D	Assistant Professor	Microwaves	4	Nil
3	Dr. Mohan Keshava K. K	M. Sc, M. Phil, Ph. D	Assistant Professor	Power Electronics	4	Nil
11	List of senior visiting faculty				Nil	
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty				Nil	
13	Student -Teacher Ratio (programme wise)				30:1	

14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	Nil
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.	
	Ph.D	3
	M.Phil.	
	PG	
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b>	Nil
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	Nil
18	Research Centre /facility recognized by the University	Not yet recognized as research centre
19	<b>Publications:</b>	
20	a) Publication per faculty	
	<b>Name of the Faculty and Number of papers published in peer reviewed journals</b>	
	Dr. Gururaj Balikatti	
	<b>Gururaj Balikatti</b> , P.V. Hunagund . “Development of Microconjrroller Based Voice Recording and Reproducing System” In <i>Proc. VLSI &amp; VHDL Conf.</i> Jan. 2010, pp 137-141	
	M.C. Partapure, <b>Gururaj Balikatti</b> , P.M. Hadalgi. S.N.Mulgi. R.M.Vani P.V. Hunagund . “A Novel Design for Detecting Carbon Monoxide Using PIC16F877 Microcontroller” In <i>Proc. VLSI &amp; VHDL Conf.</i> Jan. 2010, pp 99-102.	
	<b>Gururaj Balikatti</b> , P.V. Hunagund, S.N.Mulgi, P.M. Hadalgi and R.M Vani . “A Novel Architecture for Analog to Digital convertor”. In <i>Proc. ICN-2010 Conf.</i> Oct 2010, pp 454-456. <b>ISBN:978-93-80697-23-9</b>	
	<b>Gururaj Balikatti</b> , R.M Vani and P.V. Hunagund. “A Simple Technique for Enhancing Conversion Speed of Successive Approximation ADC”. <i>IJCSI</i> , vol. 8, issue 6, No.2, pp 128-134. Nov 2011. <b>ISSN: 1694-0814, Impact Factor: 0.29</b>	
	<b>Gururaj Balikatti</b> , R.M Vani and P.V. Hunagund. “A 16-bit, High Speed Successive Approximation ADC Implementation Using Microcontroller”. In <i>Proc. RTCT N Conf.</i> Jan 2012, pp 67-73.	
	<b>Gururaj Balikatti</b> , R.M Vani, P.V. Hunagund , S.N. Mulgi and P.M. Hadalgi. “ A 8-bit high speed Analog to Digital Converter using Intel 8051 Microcontroller”. In <i>Proc. NConANT Conf.</i> Feb. 2012, pp 161-165.	
	<b>Gururaj Balikatti</b> , R.M Vani, P.V. Hunagund , S.N. Mulgi and P.M. Hadalgi. “A Simple Technique for Enhancing Resolution of 8-bit flash Analog to Digital Converter. In <i>Proc. NConANT Conf.</i> Feb. 2012, pp 174-178.	
	<b>Gururaj Balikatti</b> , R.M Vani and P.V. Hunagund. “Efficient Circuit Configuration for Enhancing Resolution of 8-bit flash Analog to Digital Converter”. <i>IJCSI</i> , vol. 9, issue 6, No.3, pp 18-23. Nov 2012. <b>ISSN: 1694-0814, Impact Factor: 0.29</b>	

	<b>Gururaj Balikatti, R.M Vani and P.V. Hunagund.</b> “Systematic Design to Increase Speed of Successive Approximation ADC”. <i>In Proc. VCS-2012 Conf.</i> Oct 2012, pp 96-99.	
	<b>Gururaj Balikatti, R.M Vani and P.V. Hunagund.</b> “A 10-bit Hybrid Technique Analog to Digital Converter”. <i>In Proc.NCETE-2012 Conf.</i> Oct 2012, pp 1-7 <b>ISBN: 978-81-926416-0-7</b>	
	11. <b>Gururaj Balikatti, R.M Vani and P.V. Hunagund.</b> “A Three Comparator Scheme For Enhancing Speed Of SAR ADC”. <i>IJCSC</i> , vol. 4, No.1, pp 17-20. Jan-Jun 2013. <b>ISSN : 0973-7391, Impact Factor: 0.5</b>	
	12. <b>Gururaj Balikatti, R.M Vani and P.V. Hunagund.</b> “A Three Comparator Scheme For Enhancing Speed Of SAR ADC”. <i>IJCSC</i> , vol. 4, No.1, pp 17-20. Jan-Jun 2013. <b>ISSN : 0973-7391, Impact Factor: 0.5</b>	
	13. <b>Gururaj Balikatti, R.M Vani and P.V. Hunagund.</b> “A SAR ADC with Reduced Number of Comparison Cycles”. <i>IJEE</i> , vol. 5, No.1, pp 65-68. Jan-Jun 2013. <b>ISSN : 0973-7383, Impact Factor: 0.5.</b>	
	<b>Gururaj Balikatti, R.M Vani and P.V. Hunagund.</b> “A High-Speed SAR A/D Conversion Technique”. <i>IJCSC</i> , vol. 4, No.2, pp 47-51. Sep, 2013. <b>ISSN : 0973-7391, Impact Factor: 0.5.</b>	
	<b>Gururaj Balikatti, R.M Vani and P.V. Hunagund.</b> “ A Speed Enhancing Technique for SAR Analog to Digital Conversion”. <i>IJEE</i> , vol. 5, No.2, Dec 2013. <b>ISSN : 0973-7383, Impact Factor: 0.5.</b> Accepted for Publication	
	Madhuri M, Jhothi M N, Archana G M, Ashwini P T and <b>Gururaj Balikatti.</b> “A Novel Technique for Enhancing Speed of Successive Approximation Analog to Digital Converter”. <i>IJERA</i> , Vol. 3, Issue 6, pp.1422-1424, Nov-Dec 2013, <b>ISSN : 2248-9622, Impact Factor: 1.67.</b>	
	<b>Gururaj Balikatti, R. M Vani and P.V. Hunagund.</b> “A 10-bit Successive Approximation Analog to Digital Converter Using $\mu$ p 8085”. <i>In Proc. NRTEA-2014 Conf.</i> March 2014, pp 112-116, <b>ISBN: 978-93-81437-98-8.</b>	
	<b>Gururaj Balikatti, R. M Vani and P.V. Hunagund.</b> “A 16-bit high speed SAR Analog to Digital Converter using Intel 8085 Microprocessor”. <i>In Proc. NRTEA-2014 Conf.</i> March 2014, pp.218-221, <b>ISBN: 978-93-81437-98-8.</b>	
21	Areas of consultancy and income generated	- NIL -
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	
23	Student projects	
	a) Percentage of students who have done in-house projects including inter departmental/programme	100%
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	NIL
24	Awards / Recognitions received by faculty and students	
<b>24</b>	List of eminent academicians and scientists / visitors to the department	<b>NIL</b>

27	<b>Diversity of Students</b>			
	<b>Name of the Course</b>	<b>% of students from the same state</b>	<b>% of students from other States</b>	<b>% of students from abroad</b>
	I B. Sc	98	2	0
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA			
29	Student progression			
	Student progression			Against % enrolled
	UG to PG			75
	PG to M.Phil.			
	PG to Ph.D.			
	Ph.D. to Post-Doctoral			
30	Employed			
	• Campus selection			10
	• Other than campus recruitment			15
	Entrepreneurship/Self-employment			
31	Details of Infrastructural facilities			
	a) Library			yes
	b) Internet facilities for Staff & Students			yes
	c) Class rooms with ICT facility			yes
	d) Laboratories			2labs and
32	Number of students receiving financial assistance from college, university, government or other agencies			30%
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts			
34	Teaching methods adopted to improve student learning			
	• ICT			
35	Participation in Institutional Social Responsibility (ISR) and Extension activities			
	As a part of extension activity Students of both UG and PG are taken for industrial visits.			
	1.10.2013	Sir.M.Visveshawraya Rain water harvesting theme park		B.Sc Students
	16.2.2012	Exide Battery Industries		B.Sc Students

36	SWOC analysis of the department and Future plans		
	<p><b>STRENGTH of Department :</b></p> <ul style="list-style-type: none"> <li>• Students are regular and punctual</li> <li>• Teachers are experienced and qualified</li> <li>• Majority of students are meritorious and above the average</li> </ul> <p><b>WEAKNESS of department:</b></p> <ul style="list-style-type: none"> <li>• Most of the students are from kannada medium</li> <li>• College infrastructure is inadequate</li> <li>• some of the students are married, aged, and more responsible in the routine life</li> </ul> <p><b>OPPORTUNITIES :</b></p> <ul style="list-style-type: none"> <li>• Students have the opportunity to work in Electronics industry in Bangalore College and University provides chances to built their career in the field of curricular and co-curricular area.</li> <li>• This college gives the opportunity to take the admission in any combination based on minimum qualification and minimum fees to be paid by students.</li> </ul> <p><b>CHALLENGE:</b></p> <ul style="list-style-type: none"> <li>• Most of the students are from rural and poor, so they learns with earning.</li> <li>• Some students discontinued the education due to marriage</li> <li>• Some of the students' parent not allowed to send the college due to their poverty, orthodox culture, illiteracy, etc.</li> </ul>		

**Department of Psychology**

1	Name of the department		<b>PSYCHOLOGY</b>			
2	Year of Establishment		1983-84			
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG-B.Sc, (BZP)			
4	Names of Interdisciplinary courses and the departments/units involved		BOTANY&ZOOLOGY			
5	Annual/ semester/choice based credit system (programme wise)		Semester Scheme and also CBCS from 2014			
6	Participation of the department in the courses offered by other departments		NA			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programmes discontinued (if any) with reasons		Nil			
9	<b>Number of Teaching posts</b>		<b>Sanctioned</b>		<b>Filled</b>	
	Professors		-		-	
	Associate Professors		-		-	
	Asst. Professors		3		03	
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Sayed Banu	MA,M.Phil	Assistant Professor	Clinical Psychology	28 Years	Nil
2	Ajitha.E.A	MSc,(PhD)	Assistant Professor	Clinical Psychology	11 Years	Nil
3	Dr.Salma Khanum (on deputation)	MSc, PhD	Assistant Professor	Child Development	15 Years	Nil
11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled					Nil

	(programme wise) by temporary faculty	
13	Student -Teacher Ratio (programme wise)	1:30 ( as on 2014)
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled	NIL
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.	
	Ph.D	1
	M.Phil.	1
	PG	1
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL	
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	NIL
18	Research Centre /facility recognized by the University	Not yet recognized as research centre
19	<b>Publications:</b>	
	Name of the Faculty and Number of papers published in peer reviewed journals	
	<b>Dr. Salma Khanum</b>	
	Salma Khanum and Sudha Bhogle(August 2012) “ Perceptions of parenting and interpersonal competence –a study in middle childhood” .life skills and quality life.ISBN: 81-87299-60-6	
21	Areas of consultancy and income generated	- NIL -
22	Faculty as members in a) National committees b) International Committees c) Editorial Board  NIL	
23	Student projects	<b>100%</b>
	a) Percentage of students who have done in-house projects including inter departmental/programme	
	<b>YEAR</b>	<b>Title of the Project</b>
	I BSc	Motiquiz
	II BSc	Learning styles
	III BSc	Self concept
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	Nil
24	Awards / Recognitions received by faculty and students	
	Name of the Faculty	Awards / Recognitions received by faculty and students



	1.Ajitha.E.A Assistant Professor	Directors General's Gold medal for standing first in order of merit in Officers Training Academy, Gwalior 2011				
		Chief Ministers commendation card 2013 for Best ANO's				
	2.Bhavana.S& Priyanka 2009 Batch	Paper presentations at International conference at Roshniniaya, Ujjire.				
	3.Vidyashree&Nirmala	First prize in poster presentation at National Conference in Positive Psychology, Mount Carmel college ( 1000 Rs cash prize)				
	4.Shruthi.B.P,Minaj,Sandhya (2009 -10 Batch)	Won first prize in collage, mime ,paper presentation ,paper dressing, symptomatic walk				
	5.Bhavana.S (2009)	Second prize in Debate competition at MES College,Bangalore				
	6.Najama & Sudharani(2011)	Two prizes in Psychology intercollegiate competitions VVN college,Bangalore				
<b>24</b>	<b>List of eminent academicians and scientists / visitors to the department</b>					
	Sl no.	Name of invitee	Institution/university details	Event	Topic spoken	Date of time
	1	Dr.Manika Ghosh	Special Officer, Dept of Collegiate Education	Guest lecture	How to face examination	23/10/09
	2	Radhika Poovayya	Director, Samvad institute	Awareness program	Lecture on autism	23/02/10
	3	Shivanda Naik	Director, Graphotek	Guest lecture	Handwriting analysis	26/7/12
	4	George Vareed	HOD,Dept of Psychology, Acharya Institute	Guest lecture	On schizophrenia	22/2/14
	5	Dr. Sherin P Antony	Jain college, Bangalore	Guest lecture	On counseling	30/3/14
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops					
26	Student profile programme/course wise					

	Year	Applications received	Selected	Enrolled	M	F	Pass percentage
	2009-10	28	23	23		23	84.18%
	2010-11	30	24	24		24	97.66%
	2011-12	20	19	19		19	97%
	2012-13	25	21	21		21	100%
	2013-14	30	22	22		22	90.9%
27	<b>Diversity of Students</b>						
	<b>Name of the Course</b>	<b>% of students from the same state</b>		<b>% of students from other States</b>		<b>% of students from abroad</b>	
	I B. Sc	100%		NIL		Nil	
	II B. Sc	81%		11%		Nil	
	III B. Sc	88%		12%		Nil	
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?						
	Name		Year				
	Manasa N Moorthy		2012				
	Meenakshi		2012				
29	Student progression						
	Student progression						Against % enrolled
	UG to PG						80%
	PG to M.Phil.						
	PG to Ph.D.						
	Ph.D. to Post-Doctoral						
30	Employed						
	Campus selection						15%
	Other than campus recruitment						10%
	Entrepreneurship/Self-employment						
31	Details of Infrastructural facilities						
	a) Library						yes
	b) Internet facilities for Staff & Students						NIL
	c) Class rooms with ICT facility						NIL
	d) Laboratories Laboratory						1 UG
32	Number of students receiving financial assistance from college, university, government						

	or other agencies	
	2009-10	3 students
	2010-11	14 students
	2011-12	10 students
	2012-13	7 students
	2013-14	2 students
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	
	<b>Date and Year</b>	<b>Speaker</b>
	23/10/2009	Dr.Maneka Ghosh
	23/02/2010	Radika Poovayya, Samvad Institute
	26/07/2012	Mr.Shivananda Naik,director,Graphotec
	22/02/2014	George Vareed Thekkan,HOD,Acharya Institute.
34	<b>Teaching methods adopted to improve student learning</b>	
	<ul style="list-style-type: none"> <li>• Power Point Presentaion</li> <li>• Movie Club (movies related to Abnormal Psychology)</li> <li>• Group Discussion method</li> <li>• Debates, Case Study Presentations</li> </ul>	
35	Participation in Institutional Social Responsibility (ISR) and Extension activities	
	Actively participating in NIMHANS YOUTH PRO ACTIVITIES in collaboration with Positive Psychology Unit,NIMHANS	
	Every year a visit to Rehabilitation Unit-CADABAMS Rehabilitation Centre,Kanakapura Road	
36	<b>SWOC analysis of the department and Future plans</b>	
	<p><b>STRENGTH of Department :</b> well qualified faculties, above 95% result,100% result in final year, equipped lab, departmental library, good class room facilities, collaboration with NIMHANS Positive Psychology unit, regular departmental projects, participation in conferences and seminars</p> <p><b>WEAKNESS of department:</b> lack of supporting staff</p> <p><b>OPPORTUNITIES :</b> The department can be collaborated with clinical psychology department in hospitals,NIMHANS,NGO'S</p> <p>Since there is a huge demand for counseling, psychotherapy, Human resource management, de addiction, the department can train the students to work in such fields..</p> <p>Threats:- Time constraints (semester system) and financial budget.</p>	

**Department of Sericulture**

1	Name of the department		<b>Sericulture</b>			
2	Year of Establishment		1993			
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG- B.SC,(BISBT,BIGS,CBS)			
4	Names of Interdisciplinary courses and the departments/units involved		Nil			
5	Annual/ semester/choice based credit system (programme wise)		Semester Scheme and also CBS from 2014			
6	Participation of the department in the courses offered by other departments		Biochemistry, Biotechnology, Genetics, Chemistry			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programmes discontinued (if any) with reasons		Add on course discontinued because inadequate fund by UGC..			
9	<b>Number of Teaching posts</b>		<b>Sanctioned</b>	<b>Filled</b>		
	Professors		-	-		
	Associate Professors			02		
	Asst. Professors					
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	Dr. A.C.Manjula	MSc, Ph.D	Associate Professor	Sericulture	18 Years	Nil
2	Dr. L.H.Shivashankar appa	M.Sc. M.Phil. ,Ph.D	Associate Professor	Sericulture	18 years	Nil
11	List of senior visiting faculty				Nil	

12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty			Nil	
13	Student -Teacher Ratio (programme wise)			9:1	
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled			04 Department supporting staff	
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.				
	Ph.D			02	
	M.Phil.			01	
	PG			-	
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received			01 Minor UGC Research Project completed in the year 2009-11 and 01 ongoing UGC Minor Research Project from 2014 01VGST Student Project Completed in the year 2011.	
	<b>Name of the Faculty</b>	<b>Funding agency</b>	<b>Grants received</b>	<b>Term of the project</b>	<b>status</b>
	Dr.A.C.Manjula	UGC	1.8Lakh	2years	Completed
		UGC	1.5Lakh	2years	ongoing
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received			3.6 Lakhs	
18	Research Centre /facility recognized by the University			Not yet recognized as research centre	
19	<b>Publications:</b>				
20	a) Publication per faculty				
	<b>Dr.L.H.Shivashankarappa</b>				
	Antimicrobial activity of protein extractions of selected mulberry varieties A.C.Manjula, L.H.Shivashankarappa & Shubha. The Bioscan 5(4):649- 650.2010.				
	Open Lecture Series in Basic Science-2013.V.VPuram College of Science and Technology Academy,DST Govt.of Karnataka,Bangalore,March 13,2013.				
	Science Academies Lecture workshop on Microbial Genomics,Maharani's Science College for Women, Bangalore,19th and 20 <sup>th</sup> September 2013.				
	Evaluation of heat stable proteins, total soluble proteins and antimicrobial properties of Costus pictus D. Don The Bioscan5(1):169-170,2010.				
	Antimicrobial activity of protein extractions of selected mulberry varietiesThe Bioscan 5(4):649- 650.2010.				
	Screening of antimicrobial activity of total soluble protein of mulberry varieties International Journal of Current Pharmaceutical Research Vol.3(2),2011.				

	Growth, antioxidant and NPK content analysis of compost, biofertilizers treated medicinal plant, <i>Alternanthera sessilis</i> , <i>Asian Jr. of Microbial.Biotech.Env.Sc Vol 15, No(1)2013:43-46</i>							
21	Areas of consultancy and income generated				- NIL -			
22	Faculty as members in a) National committees b) International Committees c) Editorial Board				-NIL -			
	a) Percentage of students who have done in-house projects including inter departmental/programme						Nil	
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies						NII	
24	Awards / Recognitions received by faculty and students							NII
24	List of eminent academicians and scientists / visitors to the department							NII
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops							NII
26	Student profile programme/course wise							
	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled	M	F	Pass percentage	
	I B. Sc	60	22	22	-	22	100%	
	II B. Sc	20	20	20	-	20	100%	
	III B. Sc	09	09	09	-	09	100%	
27	<b>Diversity of Students</b>							
	<b>Name of the Course</b>	<b>% of students from the same state</b>		<b>% of students from other States</b>		<b>% of students from abroad</b>		
	I B. Sc	22		22		Nil		
	II B. Sc	20		20		Nil		
	III B. Sc	08		01		Nil		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA							
29	Student progression							
	Student progression				Against % enrolled			
	UG to PG				90%			
	PG to M.Phil.							
	PG to Ph.D.							
	Ph.D. to Post-Doctoral							
30	Employed							

	• Campus selection	10%
	• Other than campus recruitment	20%
	Entrepreneurship/Self-employment	
31	Details of Infrastructural facilities	
	a) Library	500 Books-in the Department Library
	b) Internet facilities for Staff & Students	yes
	c) Class rooms with ICT facility	NIL
	d) Laboratories room	2 UG Laboratories, 1 Reasearch room
32	Number of students receiving financial assistance from college, university, government or other agencies	
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	
	<p>Field Visit/Visit to Research Institute/ Cocoon Market/Grainage/Reeling centre                      In every academic Year The students are taken to the following Farms and centre:                      In I and II Semester students will visit the mulberry farms ,improved rearers farm and house to study the farming practices and rearing.                      In III Semester the students will be visiting different Garden for pest collection and diseased specimen collection.                      In IV semester the students will vist the grainage to study the egg production process.                      In V semester the students will visit the Mulberry and silkworm Germplasm bank at RSRS,Hosur.                      In VI semester the students will have to visit the cocoon Market and reeling centres to study the cocoon transaction process and cocoon processing.They also visit the CSTRI,Bangalore to study the post cocoon tehnology.                      They also vist the KSIC,Silkfactory at Mysore to study the weaving and dyeing techniques.As part of the extension activity they interview the rearers,reelers and weaversin different places.</p>	
34	<b>Teaching methods adopted to improve student learning</b>	
	Chalk and talk	
	Using OHP and ICT facilities	
	Lecture by teacher	
	Class discussion conducted by teacher	
	Recitation oral questions by teacher answered orally by students	
	Group Discussion	
	Student reports by individuals	
	Bulletin boards, Textbook assignments,Flowcharts, Arranging Field trips/tours/home and farm visit Laboratory experiments performed by more than two students working together	

	Student construction of diagrams, charts, or graphs Making of posters by students
	Use of diagrams, tables, graphs, and charts by instructor in teaching, Use of slides
35	Participation in Institutional Social Responsibility (ISR) and Extension activities
	Extension Activities for B.Sc students at Bangalore rural areas and Interstates.(Chikkaballapura/Chintamani/Ramanagar/Mysore/Koonoor/Hosur) to study The mulberry plantations/silkworm rearing/grainage activity.
36	<b>SWOC analysis of the department and Future plans</b>
	<p><b>STRENGTH</b></p> <ul style="list-style-type: none"> <li>• Result of sericulture is 100 percent</li> <li>• Good slide collection</li> <li>• Add on course</li> <li>• 100% of the faculty with Ph.D.</li> <li>• Completed one minor research projects, one VGST SPICE project and Strong teaching learning process</li> <li>• More practical oriented teaching.</li> </ul> <p><b>WEAKNESS</b></p> <ul style="list-style-type: none"> <li>• Shortage of technical assistance,</li> <li>• Smart class rooms,</li> <li>• Power back ups,</li> <li>• Mulberry garden Maintenance,</li> <li>• Glass house facility</li> <li>• No Gardner</li> <li>• Lack of research labs</li> <li>• Shortage of funds</li> </ul> <p><b>OPPORTUNITIES</b></p> <ul style="list-style-type: none"> <li>• Collaboration with the industries</li> <li>• Constant interaction with research institutes</li> <li>• Conduction of workshops</li> <li>• Major minor research projects</li> </ul> <p><b>CHALLENGE</b></p> <ul style="list-style-type: none"> <li>• Less employability after graduation</li> <li>• Need to revise the course</li> <li>• More self employment and entrepreneurship</li> </ul>
	<p><b>FUTURE PLANS:</b></p> <ul style="list-style-type: none"> <li>• To start PG course in Seribiotechnology</li> <li>• Promoting student projects</li> <li>• Apply for National and Internationals Conferences and workshops</li> </ul>



**Department of Statistics**

1	Name of the department		<b>Statistics</b>			
2	Year of Establishment		2004			
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)		UG			
4	Names of Interdisciplinary courses and the departments/units involved		NIL			
5	Annual/ semester/choice based credit system (programme wise)		Semester Scheme and also CBS from 2014			
6	Participation of the department in the courses offered by other departments		NIL			
7	Courses in collaboration with other universities, industries, foreign institutions, etc.		Nil			
8	Details of courses/programmes discontinued (if any) with reasons		Nil			
9	<b>Number of Teaching posts</b>		<b>Sanctioned</b>		<b>Filled</b>	
	Professors		-		-	
	Associate Professors		-		-	
	Asst. Professors		01		01	
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualification</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experience</b>	<b>No. of students guided for last 5 years</b>
1	<b>Raveendra Naika T</b>	<b>M.Sc, M.Phil</b>	<b>ASST. PROF.</b>	<b>Operations Research &amp; Regression Analysis</b>	6.5	NIL
11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty					Nil
13	Student -Teacher Ratio (programme wise)					1:30
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled					NIL
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					

	Ph.D	-
	M.Phil.	01
	PG	-
16	Number of faculty with ongoing projects from a) National b) International funding agencies and grants received	NIL
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received	NIL
18	Research Centre /facility recognized by the University	Not yet recognized as research centre
19	Publications:	
20	a) Publication per faculty	
	<b>Raveendra Naika T</b>	
	Nanjundan, G, Loganathan and <b>Raveendra Naika, T.</b> (2009) “An empirical comparison of maximum likelihood and moment estimators of parameters in a zero-inflated Poisson model”, Mapana Journal of Sciences, Vol.8, No.2, 59-72.	
	Nanjundan, G and <b>Raveendra Naika, T.</b> (2011) “Maximum Likelihood Estimation of Parameters in a Perturbed Exponential Model”, International Journal of Agricultural and Statistical Sciences, Vol.7, No.2, pp. 527-534.	
	Nanjundan, G and <b>Raveendra Naika, T.</b> (2012) “Asymptotic Comparison of Method of Moments Estimators and Maximum Likelihood Estimators of Parameters in Zero-Inflated Poisson Model”, Applied Mathematics, <b>3</b> , 610-617	
	Nanjundan, G and <b>Raveendra Naika, T.</b> (2013) “Estimation of Parameters in a Zero-inflated Power Series Model”, International Journal of Statistika and Matematika, ISSN: 2277- 2790 E-ISSN: 2249-8605, Volume 6, Issue 3, pp 109-114.	
	Nanjundan G. and <b>Reevindra Naika, T.</b> (2013) “Estimation of Parameter in a New Discrete Distribution Analogous to Burr Distribution”, appeared in the Proceedings of the International Conference on Information Technology and Computer Application Engineering, 27 – 28, August 2013, Hong Kong.	
21	Areas of consultancy and income generated	- NIL -
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	-NIL -
23	Student projects	
	a) Percentage of students who have done in-house projects including inter departmental/programme	Nil
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	NIL
24	Awards / Recognitions received by faculty and students	NIL
24	List of eminent academicians and scientists / visitors to the department	NIL
25	Seminars/ Conferences/Workshops Organized & the a) National b) International	

	Seminars/ Conferences/Workshops : NIL						
26	Student profile programme/course wise						
	Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled	M	F	Pass percentage
	EMSt	10	06	06		06	06
27	Diversity of Students						
	Name of the Course	% of students from the same state	% of students from other States		% of students from abroad		
	EMSt	96	04		0		
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.? NA						
29	Student progression						
	Student progression					Against % enrolled	
	UG to PG					30%	
	PG to M.Phil.					NIL	
	PG to Ph.D.					NIL	
	Ph.D. to Post-Doctoral					NIL	
30	Employed						
	Campus selection					20	
	Other than campus recruitment					15	
	Entrepreneurship/Self-employment					NIL	
31	Details of Infrastructural facilities						
	a) Library					yes	
	b) Internet facilities for Staff & Students					yes	
	c) Class rooms with ICT facility					one	
	d) Laboratories						
32	Number of students receiving financial assistance from college, university, government or other agencies 5						
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts						
34	Teaching methods adopted to improve student learning : e-teaching						
35	Participation in Institutional Social Responsibility (ISR) and Extension activities						

36	<p>SWOC analysis of the department and Future plans</p> <p><b>STRENGTH</b>                  Qualified, knowledgeable, Trained and experienced teacher. Training, encouraging and supporting the students to face the competitive world. Uplifting educationally poor students and maintaining 100% results since 2007-08. Ability to encourage and motivate the students for higher education and to prepare for competitive examinations.</p> <p><b>WEAKNESS</b>                  Shortage of teacher, lack of lab facilities with computer, no separate room for practical classes. Students admitted are academically weaker section</p> <p><b>OPPORTUNITIES :</b>                  Interaction with university and institutions to get support from eminent researchers                  Creating awareness about job opportunity and higher education in statistics</p> <p><b>CHALLENGE:</b>                  Lack of awareness regarding the EMst combination for admissions.</p>
	<p><b>FUTURE PLANS:</b>                  To start new combinations like <b>PMS<sub>t</sub></b> (Physics, Maths and Statistics) and <b>CsMS<sub>t</sub></b> (Maths, Statistics and Computer Science) parallel to <b>EM<sub>t</sub></b> so that the students' opportunities will increase. Based on the student strength new teaching post may be created and department development will be possible.</p>

**Department of Zoology**

1	Name of the department	<b>Zoology</b>				
2	Year of Establishment	1938				
3	Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)	UG-B.SC, (Combinations with other subjects include BZP, CBZ, CZBt, CZMi )				
4	Names of Interdisciplinary courses and the departments/units involved	Nil				
5	Annual/ semester/choice based credit system (programme wise)	Semester Scheme and also CBS from 2014				
6	Participation of the department in the courses offered by other departments	Currently ancillary academic support is extended to other departments on mutual understanding.				
7	Courses in collaboration with other universities, industries, foreign institutions, etc.	Nil				
8	Details of courses/programmes discontinued (if any) with reasons	BiGS - Biochemistry, Genetics and Sericulture BiBZ - Biochemistry, Botany and Zoology Combination discontinued due to inadequate student strength.				
9	<b>Number of Teaching posts</b>	<b>Sanctioned</b>			<b>Fill ed</b>	
	Professors	-			-	
	Associate Professors	04			04	
	Asst. Professors	05			05	
10	<b>Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)</b>					
	<b>Name</b>	<b>Qualifi cation</b>	<b>Designation</b>	<b>Specialization</b>	<b>No. of Years of Experienc e</b>	<b>No. of students guided for last 5 years</b>
1	Dr. Shabana	Ph.D	Associate	Cytogenetics,	22	Nil

	Begum		Professor	Neurotoxicology		
2	Smt. Kareemunnisa Syed	M.Sc	Associate Professor	Molecular Physiology	22 years	Nil
3	Dr. Hemalatha A	PhD	Associate Professor	Comparative Animal Physiology	22 years	Nil
4	Dr. B N Vijaya	M.Phil., Ph.D	Associate Professor	Cytogenetics	19 Years	Nil
5	Smt. Dakshayani PN	M.Sc., BEd	Assistant Professor	Reproductive physiology	7 years	Nil
6	Dr. Bhushanam M	Ph.D	Assistant Professor	Cytogenetics, Apiculture	7 years	Nil
7	Sri. Mohan Kumar B S	M.Sc., M.Phil	Assistant Professor	Cytogenetics and Biophysics	7 years	Nil
8	Smt. Latha V	M.Sc., M.Phil	Assistant Professor	Cytogenetics	7 years	Nil
9	Smt. Pushpa T C	M.Sc., M.Phil	Assistant Professor	Fishery Biology Sericulture	7 years	Nil
11	List of senior visiting faculty					Nil
12	Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty					Nil
13	Student -Teacher Ratio (programme wise)					48:1
14	Number of academic support staff (technical) and administrative staff; sanctioned and filled					Technical staff- Nil Attenders (unskilled)- 02
15	Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.					
	Ph.D					04
	M.Phil.					03
	PG					01
16	<b>Number of faculty with ongoing projects from a) National b) International funding agencies and grants received</b>					
	<b>Name of the</b>	<b>Title of the project</b>	<b>Fundi</b>	<b>Grants</b>	<b>Term</b>	<b>status</b>

	Faculty		ng agency	received (Rs.)	of the project	
	Dr. Shabana Begum	Fluoride induced toxic impairments in rat nervous system	UGC	1.05,000	2 009-2011	compl eted
	Dr. Ramesh Iyyanahalli	Monitoring of ground water quality with special reference to fluoride and arsenic of Bagepalli taluk	UGC	1,60,000	2 009-2011	compl eted
	Dr Balasubraman ium	Investigations on minor constituents of wild and apiary - honey of western ghats Karnataka.	UGC	1,90,000	2 009-2011	compl eted
	Dr. Bhushanam M	Physico chemical properties and antibacterial efficacy of Apis honey	UGC	1,20,000	2014	Ongoi ng
	Mr Mohan Kumar B S	Functional study on aging in rat brain mitochondria	UGC	Rs. 1,70,000	2014	Ongoi ng
17	Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received				4.55 Lakhs funded by UGC (3 projects cumulative)	
18	Research Centre /facility recognized by the University				Not yet recognized as research centre	
19	<b>Publications:</b>					
20	a) Publication per faculty					
	<b>Dr. Shabana Begum</b>					
	Mahaboob Basha P, <b>Shabana Begum</b> , Madhusudhan N (2014) Antioxidants in the management of fluoride induced neural oxidative stress in developing rats. International Journal of Pharmaceutical sciences and Research. International Journal of Pharmaceutical Sciences and Research 5(1): 201-206.					
	Mahaboob Basha P, <b>Shabana Begum</b> , Bilal AM (2013) Neuroprotective actions of clinoptilolite and EDTA against Lead induced toxicity in mice Mus musculus. Toxicology International 20:201-7.					
	Mahaboob Basha P, <b>Shabana Begum</b> , Ramakrishna S (2013) Permethrin induced					

neuronal inefficiency in the supraoesophageal ganglion of mulberry silkworm, <i>Bombyx mori</i> L. International International Journal of Pharmacy and Toxicological Science, 2014; 4(1):01-06.
Mahaboob Basha P, Neha Kumari, Archana BV, <b>Shabana Begum (2013)</b> Type 1 diabetes and its long duration effect on cognitive functions: an assessment in alloxan induced rats. Journal of pharmaceutical and Scientific Innovations. JPSI 2(5):16-25
Mahaboob Basha P & Puja Rai & <b>Shabana Begum (2011)</b> Evaluation of Fluoride-Induced Oxidative Stress in Rat Brain: A Multigeneration Study. Biol Trace Elem Res. 2011 Sep;142(3):623-37 DOI 10.1007/s12011-010-8780-4 ( <b>IF 1.7</b> )
Mahaboob Basha P, Puja Rai and <b>Shabana Begum (2011)</b> Fluoride Toxicity and Status of Serum Thyroid Hormones, Brain Histopathology, and Learning Memory in Rats: A Multigenerational Assessment. Biol Trace Elem Res 144:1083–1094 ( <b>IF 1.7</b> )
Mahaboob Basha P, <b>Shabana Begum</b> and Devaraju R (2011). Effect of selected antibiotics on economic characters of eri silk worm ‘ <i>Philosamia cynthia ricini</i> b’ (Lepidoptera: saturnidae). J Cytol and Genet 12:51-57 (ISSN 0253-7605)
Mahaboob Basha P, Rajeshwari and <b>Shabana Begum (2010)</b> Pesticide induced neurotoxicity and ameliorative role of chicory( <i>Cichorium intybus</i> ) in rat Brain. In Proceedings of International Conference on Water, Plumbing, Sanitation and Health: Issues and Challenges-Trans-disciplinary approach.(Ed) InayatullaM and Basha PM; KC Publishers, Bangalore-560053,India PP69-72
<b>Shabana Begum</b> , Mahaboob Basha P and Madhusudhan N (2010). High fluoride water induced toxicity in brain and role of antioxidants. In Proceedings of International Conference on Water, Plumbing, Sanitation and Health: Issues and Challenges-Trans-disciplinary approach.(Ed) InayatullaM and Basha PM; KC Publishers, Bangalore-560053,India PP211-214.
<b>Shabana B</b> , Basha P M and Puja R. (2010) Comparison of in vivo oxidative stress indices in fluoride exposed juvenile and adult rats for three generations. Proceedings of the National Conference on Challenges of Modern Biology in 2020” Pp 215-221.
Puja rai, <b>Shabana Begum</b> and Mahaboob Basha. (2010) Effect of fluoride on lipid peroxidation and ATPases in multigenerational rats. In Proceedings of the international conference on Water, Plumbing, Sanitation and Health: issues and Challenges Transdisciplinary Approach (ICWPSH-2010) ed: Inayatulla and PM Basha, KP Publishers India 2010 pp154-158
Madhusudhan N, Basha PM, <b>Shabana B</b> And F Ahmed (2009)Fluoride-induced Neuronal Oxidative Stress and its Amelioration by Antioxidants in Developing Rats. Fluoride 42(3)179–187 ( <b>IF 1.0</b> )
Basha PM, Sudha M.Madhusudhan N and <b>Shabana Begum (2009)</b> . Alterations in glutathione system in diabetic brain following chronic fluoride exposure. Annals of Neuro sciences Supplement, 15:56
Madhusudhan N ,Basha PM,Fiyaz A and Shabana Begum (2008). Correlates of



	<p>neuronal oxidative stress and regional biochemical alterations during fluoride toxicity in developing rats. <i>Annals of Neuro sciences Supplement</i>, 15:62</p> <p>Mahaboob Basha P, Madhusudhan N and <b>Shabana Begum</b> (2008). A call to end water fluoridation. <i>Current science</i>, 94,2:25</p>	
	<b>Dr. Hemalatha A</b>	
	<p><b>Hemalatha A</b> and S.Asha Devi (2013). "Effects of Swim Training in Cold on the Plasma and erythrocytes of aging rats". <i>Ind. J. Gerontol.</i> 27: 221-232. (ISSN 0019-5219) IF- pending.</p> <p><b>Hemalatha A</b> and S. Asha Devi (2012). "Interaction of Age and Exercise Temperature on the Biochemical Responses of the Slow and Fast Muscles in Rat". <i>Ind. J. Comp.Ani. Physiol.</i> 30: 24-40. (ISSN 0255-7150) IF- pending.</p>	
	<b>Dr Bhushanam M</b>	
	<p><b>Bhushanam, M</b> and Reddy, M.S. 2012. Physico-chemical and antimicrobial characteristics of Apis honey from India. <i>Research Journal of Pharmacy and Technology</i> 5(1):95-97. ISSN; 0974-3618</p> <p>Surendra, N. S., <b>Bhushanam, M</b> and Reddy, M.S. 2010. Efficacy of Natural plant products, <i>Azadirachta indica</i>, <i>Ocimum santum</i> and <i>Pongamia pinnata</i> in the management of greater wax moth, <i>Galleria mellonella</i> I. under laboratory conditions. <i>Journal of Applied and Natural Science</i> 2(1):5-7.ISSN; 2231-5209</p>	
	Mr Mohan Kumar B S	
	<p>K S Devaraju, <b>B S Mohan Kumar</b>, S V Sureshbabu, A Gopi, R Saraswathi and BM Harish(2014). A novel assay method for calcium calmodulin dependent phosphatase from bovine brain extract, <i>Ind J Exp Biol</i>, Vol 52, February 2014, 168-174 (ISSN 0019-5189) IF-1.2</p>	
21	Areas of consultancy and income generated	- NIL -
22	Faculty as members in a) National committees b) International Committees c) Editorial Board	
	<b>Name of the Faculty</b>	
	Dr. Shabana Begum	<ol style="list-style-type: none"> <li>1.Life member National Environmental Science Academy</li> <li>2.Life member Indian Science Congress</li> <li>3.Life member Ethological Society</li> <li>4.Life member Karnataka Government College Teachers Association</li> </ol>
	Dr. Hemalatha A	<ol style="list-style-type: none"> <li>1.Member of Bangalore University Zoology Teachers Forum</li> <li>2. Member of Indian Biotech Association</li> <li>3.Fellow of Zoological Society of India</li> <li>4.Member of Society for Free Radical Research-India</li> <li>5.Member of The Ethological Society of India</li> </ol>
	Dr.B.N.Vijaya	1Member of karnataka government college teachers association (kgcta)

		2. Member of bangalore university zoology teachers' forum. 3. Member of swadeshi vignana andolana-karnataka
	Prof.Dakshayini	1.Life member Indian Science Congress 2.Life member Indian Association for Neuroscience 3.Life member Society for Free radical research 4.Life member Society for Neurochemistry 5.Life member Karnataka Government College Teachers Association
23	<b>Student projects</b>	
	a) Percentage of students who have done in-house projects including inter departmental/programme	As per academic curricula prescribed by Bangalore University, students do a project report on various topics listed in the syllabus. These projects do not involve practical experiments but expose students in writing manuscripts
	b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies	Students also take part in model making of animals, human body organs, histology and other subject related topics
24	<b>Awards / Recognitions received by faculty and students</b>	
	Name of the Faculty	Awards / Recognitions received by faculty and students
	Dr. Bhushanum M	Received Best Presentation Award 2014 Recipient of YOUNG SCIENTIST AWARD and STATE MADHUMITRA AWARD during International workshop on Technology transfer in Beekeeping, Meliponiculture and honey festival (APIEXPO-2014) Recipient of Ph.D. Degree on 30.04.2010
	Mohan Kumar BS	Summer research Fellowship by IAS, INSA and NSA, 2011
	Dr. Vijaya B. N	Recipient of Kannada Rajyotsava Sanmana for achievements in the field of Education by Kannada Sanga, Bangarpet, Kolar District in 2011 Recipient of Ph.D. Degree on 2010 from Bangalore University
	Dr. Hemalatha A	Recipient of Ph.D Degree on 23.09.2013 from Bangalore university
24	<b>List of eminent academicians and scientists / visitors to the department</b>	

	<b>Name of the Visiting Academicians</b>	<b>Topic</b>	<b>Date</b>
	Dr. Venkatesha M. G.	Fascinating world of Insects/Arthropods	26/3/2009
	Dr.Chennaveerappa	Insect Genetics	3/10/2010
	Dr. Mahaboob Basha	Facts and myths of Fluorosis	12/1/2012
	Dr. M. Shankar Reddy	Beekeeping in India	31/8/2014
25	Seminars/ Conferences/Workshops Organized & the a) National b) International Seminars/ Conferences/Workshops		
	<b>Title of Conferences/Workshops/Seminar</b>	<b>Date</b>	<b>Source of Funding</b>
	1. National conference granted by UGC.		
	<b>Workshop conducted</b> <b>Topic:</b> "Beekeeping: Creating Women entrepreneurship in rural economy"	<b>31/08/2013</b>	Self funding
28	How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?		
29	Student progression		
	Student progression		Against % enrolled
	UG to PG		60 %
	PG to M.Phil.		N/A
	PG to Ph.D.		N/A
	Ph.D. to Post-Doctoral		N/A
30	Employed		15%
	• Campus selection		
	• Other than campus recruitment		
	Entrepreneurship/Self-employment		2%
31	Details of Infrastructural facilities		
	a) Library	Departmental library has around 450 unique book related to zoology, wildlife, ecology, physiology, genetics and other related topics.	
	b) Internet facilities for Staff & Students	One system is connected to broadband	
	c) Class rooms with ICT facility	NIL	
	d) Laboratories	3 UG laboratories, 1 Museum	

32	Number of students receiving financial assistance from college, university, government or other agencies	Government has exempted fee payment for girl students. Every year college gives out many endowment prizes to bright and economical weaker section students to pursue education without hindrances.
33	Details on student enrichment programmes (special lectures / workshops /seminar) with external experts	Workshop conducted on beekeeping.
34	Teaching methods adopted to improve student learning	
	Chalk and talk	
	Using OHP facility	
	Group discussion and voluntary presentations	
	Student reports by individuals	
	Bulletin boards and wall magazines	
	Arranging Field trips Laboratory experiments performed by more than two students working together	
	Student construction of diagrams, charts, or graphs Making of posters by students	
	Use of diagrams, tables, graphs, and charts by instructor in teaching	
	Use of slides	
35	Participation in Institutional Social Responsibility (ISR) and Extension activities	<p>Workshop was conducted for students and faculty on 31/08/2013.</p> <p><b>Topic:</b> “Beekeeping: Creating Women entrepreneurship in rural economy About 300 undergraduate students attended the workshop.</p> <p>Students were taken to MOTHER DIARY, YELAHANKA on 1.9.12, to enrich their knowledge in dairy farming. Also to motivate them towards self employment and further to conduct the research on the same.</p> <p>Students were motivated to actively participate in the international workshop on BEEKEEPING APIEXPO_2014 held at Bangalore university, Bangalore on 24.2.2014</p>
36	<b>SWOC analysis of the department and Future plans</b>	
	<b>STRENGTH</b>	
	Dedicated teachers, one of voluminous department with more than 350 students	

	<p><b>WEAKNESS</b></p> <ul style="list-style-type: none"><li>• Less funds for upgradation of laboratories and advanced academic activities</li></ul> <p><b>OPPORTUNITIES</b></p> <ul style="list-style-type: none"><li>• Motivation of students to pursue higher studies(PG courses and Ph.D.,)</li></ul> <p><b>CHALLENGES</b></p> <ul style="list-style-type: none"><li>• To set a research laboratory for research programmes and to bring in PG programmes to cater to rural students.</li></ul>
	<p><b>FUTURE PLANS:</b></p> <ul style="list-style-type: none"><li>• To start PG course in Zoology and life sciences</li><li>• Promoting teachers and student projects</li><li>• Apply for National and Internationals Conferences and workshops</li></ul>

### **Post –Accreditation Initiatives**

The college has completed 75 years of providing science education and empowering women of all sections of society. The college was first accredited in the year 2003 and subsequently reaccredited in 2009. The college has positively considered the peer team report of the last two accreditations and has worked upon its Strength, Weakness, Challenges and Opportunities.

#### **Institutional strength**

Established in 1938, the college continues its illustrious journey in a heritage building, growing in strength and stature. Today the college has a separate PG block and a two storey library block with 13 science departments & 7 language departments. The college runs 13 science combinations in UG & 5 PG courses. The college offers applied sciences like Biotechnology, Microbiology, Sericulture, Computer Science, Electronics and Statistics along with basic subjects like Chemistry, Physics, Botany, Zoology, Psychology and Mathematics. Add on course and Bioinformatics course is also being offered to students. The college had added one PG course in Physics in 2009 and introduced three new combination in undergraduate course in the year 2014. The infrastructure of the college has been strengthened by a PG annex block which is being extended vertically to accommodate more classes. Number of staff appointed since 2006 has increased and the shortage is compensated by appointment of guest faculty by Directorate of Collegiate Education.

Research has taken a major leap with more than 50% of our faculty holding doctoral degree as compared to 21.6% in 2009. Nine teachers have also completed their Ph.D through FIP programs. More number of major (3) and minor (24) research projects has been sanctioned in the last 5 years, which has opened the opportunity of procuring high-end instruments and apparatus to improve the

laboratory infrastructure. This has helped to create research culture in staff and students. More number of state/national level seminars/workshop have been conducted in the last 5 years and a large number of teachers have attended seminars/workshops/conferences which indicate improvement in the quality of the teachers. The number of faculty members in BoS/BoE has increased exponentially, which has led to inclusion of new topics of recent concern in the syllabus.

### **Institutional Weakness**

The college has strived hard to overcome the weaknesses by working upon the same. This has led to improvement of library and IT facilities. The college has augmented library resources in the last four years and is now fully automated. The funds released has drastically increased leading to updating of books/journals and internet facilities. The library uses the Easylib Library Automation software; subscribes to Infilbet and N-List e-journals and e-books. The library now has a IT Zone with 18 computers with Wi-Fi facility for students and staff. The ambience of the reading section in the library has undergone a sea change with an separate PG and staff section. The books have now been scientifically and systematically organized and OPAC is used for easy access of books. CCTV cameras, display boards, e- login and drinking water facility have been installed in the library.

To obtain freedom to be innovative in curriculum design the college has applied for autonomy and is expecting peer team visit shortly. Presently the course structure has been changed to credit based system from 2014. This system gives more importance for continuous assessment and the internal assessment marks has been hiked from 10 to 30 in theory and IA has been introduced in practical too. This inculcates the habit of regularity, discipline and remain updated for tests and seminars. Indian constitution, Environment and public health and paper on computer fundamentals have been made mandatory to create awareness among the younger generation about ICT, constitution and environment.

Collaboration and networking with laboratories and institutions have increased with more number of teachers taking up research and project work. E-learning tools like computers, LCD and access to internet have drastically increased. Class rooms with these facilities are available for PG students and can be utilized for UG students also. Availability of computers for students has increased to 1:1 for computer students and 1: 10 for general students.

The college has also made efforts to increase corpus fund of endowment scholarship with additional donations from wellwishers, alumni and other stakeholders. The slow learners and advanced learners are indentified by the mentors. Various support services are extended to slow learners to make them join with the main stream students with remedial classes. The advanced learners are encouraged to participate in seminars, poster presentation, to write articles, prepare wall magazines, college magazine and to take up student's project. This had lead to students having presented/published research papers.

### **Institutional challenges**

The college has stood up to the challenge of attracting girl students for science subjects from rural, economically backward and minority communities. Our admissions have been continously on the rise both in undergraduate and post graduate courses. Innovations in teaching learning process has been improved with addition of 4 smart class rooms and LCD facilities for all PG sections and few UG departments.

### **Institutional Opportunities**

The college has applied for autonomous status and research center and is looking forward to the peer team visit for both. The college has also undergone assessment for Center of Potential for Excellence. Recognition of the college as



an autonomous college with Centre of Potential for Excellence and as a Research centre will help in upgradation of research resources leading to collaboration, consultancy and related activities; freedom in curriculum design to incorporate relevant topics of current issues and recent development and financial support for academic and extension activities. Research funding opportunities have been availed from DST, DBT, SERB and VGST apart from UGC. Entrepreneurship and skill development programs have been implemented through workshops, add on course and Naipunya Nidhi programs.

Alumni support has also been integrated into the college with the alumni association Maithri being actively involved in supporting academic and cultural activities of the college. The association has proposed to institute freeships for 75 needy students and instituted endowment prizes thus encouraging students towards academic excellence. There are proposed plans to construct a drinking water fountain with RO plants, comfort stations with sanitary napkin disposal incinerator and to conduct seminars on career counseling and gender sensitization.

### **Perspective Plan**

The perspective plan of the college will emphasise on introducing Choice Based Credit System (CBCS) after attaining Autonomous Status, giving the learners a wide choice to pursue courses of their interest to give them flexibility & variety. CBCS courses having social concern and impact will be designed to create consciousness and social responsibility. The college also plans to enhance the research activity by acquiring research centre status thereby enabling the starting of PhD programmes. Plans are on the anvil to sign MoUs with institutions of repute to collaborate and share their expertise and resources enabling quality research. Establishment of central instrumentation and computer facility would also be a dream come true.

The college plans to start an Equal Opportunity Cell for equity corrections by

providing additional support in terms of scholarships, free ships, free mid-day meal, remedial classes, and bridge courses for SC/ST and OBC students. Enhancing learning outcomes is also a high priority of the college and will be implemented with more skill development programs.

Above all the institution plans to bring about distinctiveness and differentiation by bringing in a learner centric approach and integrating teaching and research with a self governing system. Thus the college ensures the state's objectives and plans for higher education in which access, equity and excellence are given due priority.