

Government Arts College (Autonomous), Coimbatore – 18
Performance - Teacher Appraisal Report

i) General Information

- a) Name : Dr. P. BALAMURUGAN
- b) Address (Residential) : C-203, Thasami Park Residency
 Singanallur-641005
 Mobile No.: 9790335004
- c) Designation : Assistant Professor
- d) Department : Computer Science
- e) Date of Birth : 10-05-1974
- f) Area of Specialization : Image Processing, Data Mining, Computer Network



A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
SSLC	Tamil, English, Maths, Science, History & Geography	Tamil Nadu State Secondary	1989	First
HSC	Tamil, English, Physics, Chemistry, Maths, Biology	Tamil Nadu State Higher Secondary	1991	First
B.Sc.	Computer Science	Madurai Kamaraj	1994	First
M.Sc.	Computer Science	Alagappa	1996	First
MPhil	Computer Science	Bharathiar	2002	-
PhD	Computer Science	Bharathiar	2013	-
Other Diploma /Certificates etc.	Typewriting English	Department of Technical Education, Tamil Nadu	1990	-

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil. or Equivalent	AUTHENTICATION SYSTEM USING BIOMETRICS	Bharathiar University, Coimbatore-641046
Ph. D.	DESIGN AND DEVELOPMENT OF METHODOLOGIES FOR THE DETECTION OF COCONUT TREES AND ITS LEAF ROT DISEASE	Bharathiar University, Coimbatore-641046
Post-Doctoral	-	-

Publications (give a list separately)	See Annexure - I	-
Research Guidance (give names of students guided successfully)	See Annexure – II	-
Training (please specify)	-	-

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
-	-	-	-	-

C) Seminars, Conferences, Symposia Workshops etc. attended (If necessary give a separate list)

Name of the Seminars / Conferences / Symposia / Workshops etc	Name of the Sponsoring Agency	Place and Date
-	-	-

iii) Teaching Experience

Courses Taught	Name of the University / College / Institution	Duration
i) UG (B.Sc., etc. Pass) ii) PG (M.Sc., etc.)	PSG College of Arts & Science, Coimbatore	19-8-1996 to 30-6-1999
	VLB Janakiammal College of Technology, Coimbatore	1-7-1999 to 7-6-2004(FN)
	VLB Janakiammal College of Arts & Science, Coimbatore	7-6-2006(AN) to 7-7-2009
	VSS Government Arts College, Pulankurichi*	9-7-2009 to 15-7-2010
	Government Arts College, Udumalpet	16-7-2010 to 17-2-2011
	Government Arts College, Coimbatore	18-2-2011 to Till date
iii) M. Phil.	-	-
iv) Any other	-	-

*UG only

Total Teaching Experience (in years and months):

- a) Under-graduate (Pass) : 23 Years
b) Under-graduate (Hons.) : -
c) Post-graduate : 22 Years

viii) Innovations/ Contributions in Teaching (If necessary give a separate list)

a) Design of Curriculum :	UG, PG, M.Phil., & PhD Course Work
b) Teaching methods :	Lecturing, Educational Quiz, Group Discussions, Seminars. Teaching through A/V aids, Industrial visits and training
c) Laboratory experiments :	Designed Lab Manual for Java, PC Testing and Trouble Shooting, Digital Image Processing.
d) Evaluation methods :	Tests, Seminars, Problem solving exercises, Paper presentation, Attentiveness of the student are periodically watched and Projects.
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	1. Mainly prescribed text books 2. Consultation with senior professors 3. Journals and magazines 4. Internet, Magazines, News paper
f) Remedial Teaching / Student Counseling (academic) :	Special coaching classes, Identifying students' problems, Helping them in solving problems, Parental counseling
g) Any other :	Periodical counseling to students of the Department/ College in the Guidance and Counseling Cell.

ix) Extension Work/ Community Service(If necessary give a separate list)

a) Please give a short account of your contribution to:

- i) Community work such as values of National integration, Secularism, Democracy, Socialism, Humanism, Peace, Scientific temper, Flood or Drought relief, small family norms etc. : Creating awareness about the basic values, Interpersonal skills, Social skills and Pro-social behavior among students and members in the community.
- ii) National Literacy Mission : Creating awareness about the importance and value of literacy.
- b) Positions held/Leadership role played in organizations linked with extension work and National Service Scheme (NSS) or (NCC) or any other similar activity. : 1. Annual Report for BU-Incharge (2013,2014)
2. AISHE Report - Incharge (2013, 2014)
3. IQAC Additional Coordinator Since 2013

D. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	a) Helping the Principal, HOD in the Departmental activities, Maintaining Discipline in the campus, Motivating the Students to join the entire extracurricular Activities
b) Co-curricular Activities	1. Resource Person for National Conferences/ Workshop/Seminars. 2. Chair Person for National Conferences
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	Helping/assisting /guiding the Principal, HOD, Colleagues and students to enrich the campus life.
d) Students Welfare and Discipline	Periodical counseling to the students, Parents and family members through the Guidance and Counseling Cell.
e) Membership / Participation in Bodies / Committees on Education and National Development	Member-Board of studies, Doctoral Bodies/ Committee Member for PhD students in Bharathiar, Bharathidasan and Gandhigram Rural University, Syllabus framing, External and Internal examiner in theory examinations.
f) Professional Organization of Teachers	IEEE, ISTE, CSI

E. (a) Membership of Professional Bodies, Societies etc.

- Subject expert member for the Board of Studies of Computer Applications in NGM College (Autonomous), Pollachi.
- Alumni member for the Board of Studies of Computer Science in SRNM College (Autonomous), Sattur.

(b) Editorship of Journals : -

F. Any other information

- Delivered lecture on “**Digital Image Processing Using MatLab**” in UGC sponsored National Level workshop organized by Department of Computer Science, Alagappa Government Arts College, Karaikudi on 28-02-2013.
- Delivered lecture on “**Image Processing Challenges**” in State Level Seminar organized by the Department of Computer Science, Bharathiar University College, Cudalore on 26-03-2014.
- Delivered lecture on “**MatLab**” in UGC sponsored National Level workshop organized by Department of Computer Science, Government Arts College, Udumalpet on 12-01-2015.
- Delivered lecture on “**Digital Image Processing Using MatLab**” in CSIR sponsored One-day workshop organized by Department of Computer Science, CHRIST University, Bangalore on 3-3-2017.
- Delivered lecture on “**Research Documentation Tool-LaTex**” in One-day seminar organized by Department of Computer Science, Government Arts College, Coimbatore on 15-2-2019.

(Signature of the Teacher)

Annexure – I

1. “Medical Data Classification Using SVM and Neural Network Classifier – A Study”, Int. J. Innovative Research in Science and Engineering, Vol. 3, No. 2, pp. 16-22, Feb 2017.
2. Hyperspectral Image Content Identification Using Kernel Based Neural Network, Journal of Advanced Research in Dynamical and Control Systems, Vol. No. 10, Issue No. 3, pp. 107-115, 2018.
3. A Neural Network Approach to Identify Hyperspectral Image Content, International Journal of Electrical and Computer Engineering, Vol. 8, No. 4, pp. 2115-2125, August 2018.
4. “Detection Blood Vessels in Retinal Images using Edge Based Morphological Operations”, Int. J. Innovative Research in Science and Engineering, Feb 2017.
5. Comparison of Normal Vs Herniated Cervical Images using Gray Level Texture Features”, International Journal of Management, Technology and Engineering, Vol. 8, Issue No. 12, Dec-2018.
6. Qualitative Analysis of Various Edge Detection Techniques Applied on Cervical Herniated Spine Images.(Under Review in ICTACT Journal).
7. “Multi Guided Multicolor Coherence and Forward Coherence Features (MGMCF & MGMFCF) for classification of Greenery and Non-Greenery Images”. (To be published)
8. “Coconut Tree Detection using Neural Network”, Arabian Journal of Science and Engineering, Springer Publications (To be published)

Annexure – II

Research Experience & Training : Research Guidance
Ph.D./M.Phil., (Computer Science)

S. No.	Name of the Scholar	M.Phil./ Ph.D.	Year	FT/PT	University	Pursuing/ Completed/ Awaiting for Viva
1	K.H. VANI	Ph.D.	2016	PT	Bharathiar	Pursuing
2	S. VANITHA	Ph.D.	2015	PT	Bharathiar	Pursuing
3	C. MALARVIZHI	Ph.D.	2014	PT	Bharathiar	Pursuing
4	V. MURUGESAN	Ph.D.	2014	PT	Bharathiar	Pursuing
5	R. SATHYA	Ph.D.	2014	PT	Bharathiar	Pursuing
6	R. KANAGARAJ	Ph.D.	2014	PT	Bharathiar	Pursuing
7	S. SHANMUGAM	Ph.D.	2013	PT	Bharathiar	Pursuing
8	K. ASHINA	M.Phil.	2018	FT	Bharathiar	Completed
9	B.KALAIVANI	M.Phil.	2018	PT	Bharathiar	Completed
10	R. AMUTHAVALLI	M.Phil.	2017	FT	Bharathiar	Completed
11	S. GANDHI	M.Phil.	2016	PT	Bharathiar	Completed
12	A. ANANTHI	M.Phil.	2016	PT	Bharathiar	Completed
13	S. RANGARAJ	M.Phil.	2016	FT	Bharathiar	Completed
14	V. VETRISSEVI	M.Phil.	2016	FT	Bharathiar	Completed
15	S. VANITHA	M.Phil.	2014	PT	Bharathiar	Completed
16	K. PRABHA	M.Phil.	2014	PT	Bharathiar	Completed