

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

i) General Information

- a) Name : **Dr. T. HEMAMALINI**
- b) Address (Residential) : C5, Vetri Valampuri Vinayagar Nagar,
Vilankurichi Road,
Coimbatore – 641035
- Mobile No : 9894248057
- c) Designation : Assistant Professor
- d) Department : Mathematics
- e) Date of Birth : 29.03.1977
- f) Area of Specialization : OPERATIONS RESEARCH



A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	Tamil, English, Mathematics, Science, History and Geography	Tamil Nadu State Board	1992	I class
Higher Secondary or Pre-degree	Tamil, English, Mathematics, Physics, Chemistry, Biology	Tamil Nadu State Board	1994	I class
Bachelor's Degree (s)	B.Sc.-Mathematics	Madurai Kamaraj University	1997	I class
Master's Degree (s)	M.Sc.- Applied Mathematics	Madurai Kamaraj University	1999	I class
Research Degree	M.Phil., Mathematics	Madurai Kamaraj	2004	Commended

			University		
	Ph.D	Mathematics	Anna University	2011	Commended
Other Diploma/ Certificates etc.,		PGDCA	Madurai Kamaraj University	1999	I class

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil. or Equivalent		Madurai Kamaraj University
Ph. D.	Optimization of shop floor performance in job scheduling around a common due date	Anna University
Post-Doctoral	NIL	
Publications (give a list separately)	Please refer Appendix - A	
Research Guidance (give names of students guided successfully)	M.Phil : 1 . J. Vibin	Bharathiar University
Training (please specify)	Orientation Course	Bharathiar University

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
iv) UG (BA / B.Sc., etc. Pass) (BA / B.Sc., etc. Hons.)	Coimbatore Institute of Technology Tamilnadu College of Engineering Kumaraguru College of Technology Government Arts College	9 months (01.08.2003 to 30.04.2004) 8 years 8 months(01.06.2004 to 05.02.2013) 1 year 11 months (06.02.2013 to 03.01.2015) 3 years 10 months (31.07.2015 to till date)
v) PG (MA / M.Sc., etc.)	Government Arts College	2 years 11 months
vi) M. Phil.	Government Arts College	2 years
vii) Any other		

Total Teaching Experience (in years and months):

- a) Under-graduate (Pass) : 15 years 2 months
- b) Under-graduate (Hons.) :
- c) Post-graduate : 2 years

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

a) Design of Curriculum :	
b) Teaching methods :	
c) Laboratory experiments :	
d) Evaluation methods :	
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	
f) Remedial Teaching / Student Counseling (academic) :	
g) Any other :	

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.

ii) National Literacy Mission

b) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity

D. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	
b) Co-curricular Activities	
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	
d) Students Welfare and Discipline	
e) Membership / Participation in Bodies / Committees on Education and National Development	
f) Professional Organization of Teachers	

E.

(a) Membership of Professional Bodies, Societies etc.

(b) Editorship of Journals

F. Any other information

(Signature of the Teacher)

Appendix - A

List of Publications

INTERNATIONAL JOURNALS

1. Hemamalini, T., "Heuristic Robust Algorithm to Optimize Sequencing of Jobs on a Single Machine" in "Procedia Materials Science", Vol.5, pp 1473-1481, 2014.
2. T.Hemamalini, "Scheduling Algorithm to Optimize Jobs in Shop Floor" in "Journal of Mathematics and Statistics", Vol.6, issue 4/2010, pp 416-420 doi 10.3844/jmssp.2010, 2010.
3. T.Hemamalini, "Deep Memory Greedy Search And Allocation Of Job Shop Scheduling For Optimizing Shop Floor Performance" in "Asian journal of Industrial Engineering", Volume 2, Number 1/2010, pp 9-16, doi: 10.3923/ajie. 2010.9.16, 2010.
4. T.Hemamalini, "Modelling Of Coastal Erosion And Accretion Of Remotely Sensed Data' in "International Journal of Intelligent Systems Technologies and Applications", Volume 7, Number 1/2009, pp 58-71, 2009.

INTERNATIONAL CONFERENCES

1. T.Hemamalini, "Heuristic Algorithm for Edge Detection", International Conference on Robotic Automation System ICORAS 2011, Paper Id E112, 23rd May 2011, ITC, Teluk Kalong Kemaman, Terengganu, Malaysia.
2. T. Hemamalini, "Deep Memory Greedy Search with PSO for the Allocation of Jop Shop Scheduling for Optimizing Shop Floor Performance" , International Conference on Scientific Computing (CSC'10), July 12-15,2010, Monte Carlo Resort, Las Vegas, Nevada, USA, 2010.

3. T.Hemamalini, "Greedy Search And Allocation For Enhancing Shop Floor Performance", International Conference on Digital Factory (ICDF2008), 11-13, August 2008, Coimbatore Institute of Technology, Coimbatore -14, 2008.
4. T.Hemamalini, "Modeling of Coastal Erosion / Accretion of Remotely Sensed Data", International Conference on Innovative And Smart Structural Systems For Sustainable Habitat (INSHAB-2008), CIT, India, pp.124, January 3rd to 5th, 2008.
5. T. Hemamalini, "Benders' decomposition Approach for Robust Shortest Path", International Conference on Systemics, Cybernetics and Informatics" (ICSCI-2007), Pentagram Research centre, Hyderabad, India, pp.244-248 January 03-07, 2007.