

FACULTY PROFILE

General Information

Name	:	Dr. K. ANNADURAI
Designation	:	Assistant Professor
Date of birth	:	05.05.1968
Sex	:	Male
Marital Status	:	Married
Nationality	:	Indian
Department	:	Mathematics
Area of Specialization	:	Operations Research
Communication Address (With Phone Number E-mail.id)	:	4/591, Mugiyagam, Rajakaliamman Nagar, Salaiyur, Karur Road, Dindigul – 624 001 Mobile: 9894331693 Email: drkannadurai@gmail.com

Educational Qualification: M.Sc. M.Phil., M.Ed., PGDCA., Ph.D.,

Degree awarded	Board / University	Subject	Year	Division
B.Sc	Gandhigram Rural University, Gandhigram	Mathematics	1988	I Class
M.Sc	Madurai Kamaraj University, Madurai	Mathematics	1991	I Class
B.Ed	Madurai Kamaraj University, Madurai	Education	1993	I Class
M.Ed	Madurai Kamaraj University, Madurai	Education	1998	II Class
PGDCA	Madurai Kamaraj University, Madurai	Computer	1995	I Class
M.Phil	Madurai Kamaraj University, Madurai	Mathematics	2000	II Class
Ph.D	Gandhigram Rural University, Gandhigram	Mathematics	2012	Highly Commendable

Title of Thesis: Study on a class of inventory models for single item undersupply chain environment

Teaching and Research Experience

	Place of Working	Position	Period	Years
1	1. M.V.M Govt. Arts College(W)	Asst. Prof.	17.12.2015- till date	2 Y – 6 M
	2. Govt.Arts College, Udumalpet	Asst. Prof.	03.09.2013 - 16.12.2015	2 Y – 4 M
	2. Govt.Arts College, Karur	Asst. Prof.	20.07.2010 - 02.09.2013	3 Y – 2 M
	3. Govt.Arts College, Dharmapuri	Asst. Prof.	09.07.2009 - 19.07.2010	1 Y – 0 M
	4. PSNA College of Engg. & Tech.	Asst. Prof.	16.04.2006 - 29.12.2008	2 Y – 9 M
	5. PSNA College of Engg. & Tech.	Sr. Lecturer	14.10.2005 - 15.04.2006	0 Y – 6 M

	6. R.V.S.College of Engg. & Tech. 7. MKU-Evening College,Dindigul	Lecturer	31.07.1995 - 13.10.2005 01.07.1997 - 08.04.2005	10 Y – 3 M 7 Y – 9 M
2	Teaching Experience in Total	24 Years		
3	Total Number of PG Teaching Experience	24 Years		
4	Research Experience	7 Years		

Projects Guided

No. of PG Students Guided - 19 Nos.

No. of M.Phil Scholars Guided - 13 Nos.

Extra – Curricular Experience

1	Posts, Offices and memberships held in Academic Bodies.	(i). Life member in Indian Society for Technical Education (MISTE) – LM34612 (ii). IQAC - Member for Two years (iii). Acting as Secretary for Student Co-operative Store
2	Social Services	Served as NSS Program officer for 3 years 4 months from 01.07.2002 to 13.10.2005. During this period 3 ten days camp and 15 one day camps were conducted.

Training Programmes Attended

Orientation Programme	University of Madras	09.07.2009 to 05.07.2009 24 days
Refresher Course	Madurai Kamaraj University	01.02.2013 to 21.02.2013 21 days
Refresher Course	Madurai Kamaraj University	25.11.2015 to 15.12.2015 21 days

Details of Ph.D students registered

Sl.No	Degree	Area	Number of candidates	Date of Registration	University
1	Ph.D	Inventory Management and Control	1	26.02.2018	Mother Teresa Women's University
2	Ph.D	Inventory Management and Control	1	26.02.2018	Mother Teresa Women's University

No. of Seminars, Conference, Symposium, Workshop etc. attended : 23

No. of Research Papers published in International/National journals : 13

No. of Articles published in Conference Proceedings : 7

Publication of Articles in Journals

S. No	Title	Name of the Journal	Vol. No	Page	Year
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1	Minimax distribution-free procedure for mixture inventory model with variable lead time and a service level constraint by reducing order cost	American Journal of Mathematical and Management Sciences	35(1)	1-14	2016
2	Decaying inventory model with stock-dependent demand and shortages under two-level trade credit	International Journal of Advanced Manufacturing Technology	77	525 - 543	2015
3	Ordering cost reduction in inventory model with defective items and back order price discount	Journal of Optimization	2014	1-14	2014
4	Two-echelon inventory model for deteriorating items with credit period dependent demand including shortages under trade credit	Optimization Letters	7(6)	1227 - 1249	2013
5	An optimal replenishment policy for decaying items with shortages and salvage value	International Journal of Management Science and Engineering Management	8(1)	38 - 46	2013
6	An integrated inventory model for decaying items with time discounting and shortages under two levels of trade credit	Bulletin of Kerala Mathematics Association	10(1)	49 - 66	2013
7	Integrated Inventory Model for Deteriorating Items with Price-Dependent Demand under Quantity-Dependent Trade Credit	International Journal of Manufacturing Engineering	2013	1-8	2013
8	Analysis of partial trade credit financing in a supply chain by EOQ-based model for decaying items with shortages	International Journal of Advanced Manufacturing Technology	61	1139 - 1159	2012

9	An inventory model for deteriorating items with credit period dependent demand under two-level trade credit financing	Journal of Advanced Research in Applied Mathematics	3(1)	24 - 46.	2011
10	Reducing lost sales rate in (T,R,L) inventory model with controllable lead time	Applied Mathematical Modelling	34(11)	3465 - 3477	2010
11	Controlling setup cost in (Q,r,L) inventory model with defective items	Applied Mathematical Modelling	34(6)	1418 - 1427	2010
12	Ordering cost reduction in probabilistic inventory model with controllable lead time and a service level,	Journal of Management Science and Engineering Management	5(6)	403 - 410	2010
13	Controllable lead time and lost sales rate reduction with varying order cost in stochastic inventory system	International Journal of Applied Mathematical Analysis and Applications	2(1)	71 - 81	2007

Publication of Articles in Conference Proceedings

S. No	Title	Name of the Journal / Proceeding	Page	Year
1	Integrated vendor-buyer inventory model with a mixture of backorders and lost sales	Proceedings of the International Conference on Logistics and Supply Chain Management	1-7	2008
2	Optimal replenishment strategy for a two-echelon inventory model	Proceedings of the International Conference on Intelligent Systems and Control	1-8	2008
3	Setup cost reduction in distribution-free inventory model with defective items	Proceedings of the National Conference on Applied Mathematics	81 - 86	2008
4	Probabilistic inventory model involving variable ordering cost with service level constraint	Proceedings of the Fourth National Conference on Mathematical and Computational Models, Narosa Publishing House	141 - 148	2007
5	Mixture inventory model involving controllable setup cost and lost sales with defective items	Proceedings of the Conference on Theory and Practice of Operational Research in Information Technology and Supply Chain Management	91 - 98	2007
6	Optimal investment strategy to control lead time and lost sales rate reduction with varying order cost in periodic inventory model	Proceedings of National Conference on Mathematics, Computing and Modeling, Allied Publishers Pvt. Ltd	226 - 234	2007
7	Perishable inventory control in supply chain with two independent Poisson demands	Proceedings of the International Conference on Global Manufacturing and Innovation	1-6	2006

Seminars, Conference, Symposium, Workshop etc. attended

S.No.	Name of the Seminars/ Conferences/ Symposium/ Workshop etc.,	Place and Date
1	International Conference on Logistics and Supply Chain Management	PSG College of Technology Coimbatore, 7 – 9 August, 2008
2	Two days Workshop on Soft Computing	PSNA College of Engineering and Technology, Dindigul, 14 – 15 March, 2008
3	International Conference on Intelligent Systems and Control	Karpagam College of Engineering, Coimbatore, 01-02 February, 2008
4	National Conference on Applied Mathematics	B.S. AbdurRahmanCrescent Engg. College, Chennai,03-04 January, 2008
5	National Conference on Mathematical and Computational Models	PSG College of Technology Coimbatore, 13 – 15 December, 2007
6	Workshop on Soft Computing	National Institute of Technology, Tiruchirappalli 15-17 November, 2007
7	Symposium on Recent Advances in Mathematical Modeling in Engineering	Thiagarajar Engineering College, Madurai, 14-15 September, 2007
8	National Conference on Operational Research in Information Technology and Supply Chain Management	Thiagarajar Engineering College, Madurai, 06-08 September, 2007
9	National Conference on Mathematics, Computing and Modeling	Gandhigram Rural University, Gandhigram, 03-04 March, 2007
10	International Conference on Global Manufacturing and Innovation	Coimbatore Institute of Technology, Coimbatore July 27-29, 2006

11	National Conference on Intelligent Optimization Modeling	Gandhigram Rural University, Gandhigram, 03-04 March, 2006
12	Eighth Annual Convention of ISTE on Innovations in Engineering Education Trends and Focus	P.S.N.A.College of Engineering and Technology, Dindigul, 28-29 October, 2005
13	National Conference on Computing and Mathematical Modeling	Gandhigram Rural University, Gandhigram, 25-26 March, 2005
14	Seminar on Optimization Techniques for Engineering Applications	R.V.S. College of Engineering and Technology, Dindigul, 10 – 11 March, 2005
15	National Seminar on Environment and Pollution Awareness	R.V.S. College of Engineering and Technology, Dindigul, 30 July, 2004
16	One week Short Term Training Programme on Recent Trends in Automated Manufacturing Systems	R.V.S.College of Engineering and Technology, Dindigul,15- 19 December, 2003
17	Workshop on Better methods of Teaching	R.V.S.College of Engineering and Technology, Dindigul,08 September, 2003
18	One week Short Term Training Programme on Neural Net works and Fuzzy Logic and their Applications to Information Processing Technologies	R.V.S.College of Engineering and Technology, Dindigul, 23- 27 June, 2003.
19	Five day workshop on Finite Element Methods and Applications in Engineering	AnjalaiAmmalMahalingamEngg.College, Kovilvenni, Thiruvarur, 17 – 21 March, 2003.
20	Fifth Annual Convention of ISTE – Tamilnadu and Pandichery Section on E-Governance in Educational Perspective	PeriyarManiammai College of Technology for women, Vallam, 12 October, 2002
21	Workshop on Application of Mathematics in Engineering and Technology	P.S.N.A.College of Engineering and Technology, Dindigul, 02 September, 2002
22	XXX Annual Convention and National Seminar on Shaping Technical Education for the future	Nirma Institute of Technology, Ahmadabad, 14- 16 December, 2000
23	First Annual Convention of the ISTE, Tamilnadu and Pandichery Section	Kongu Engineering College, Perundurai, Erode, 1 August, 1998