

## BIO-DATA



**NAME OF CANDIDATE** : **Dr. Madan Uttamrao Kharat**

**DATE OF BIRTH** : **01-10-1968**

**PASSPORT** : **No. B0202867**  
**Place of Issue** : **Nagpur (INDIA)**  
**Date of Issue** : **05-08-1999**  
**Date of Expiry** : **04-08-2009**

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### EDUCATIONAL QUALIFICATION :

QUALIFICATION	YEAR OF PASSING	%OF MARKS/GRADE
H.S.C. (10+2)	1988	72%
B.E. COMPUTER (Amravati University)	1992	62%
M.S. INSTRUMENTATION (Devi Ahilya University, Indore)	1995	8.5 CGPA (79.5%)
Ph. D. Computer Science Devi Ahilya University, Indore , India	2006	

### Research/Training Undergone :

Worked as a Trainee at Central Electronics Engineering Research Institute (CEERI) Pillani, Rajasthan. This training is carried out as a third semester of Post Graduation Degree. At CEERI, I worked in the microwave tubes area under the guidance of Dr. R. S Raju, Scientist.

**\*\* Ph. D. PROGRAMME :**

Registered for Ph.D. programme Under the guidance of Dr. N. S. Chaudhari. At Devi Ahilya University, Indore M.P. (INDIA) in the topic “ **Web proxy server: Study and Performance Analysis.**” Registration No. ACM.XI/Ph.D./Computer Science/02. and has been awarded the Ph. D. degree in Nov. 2006.

**Approved Progress Report of the research work:**

**(Web Proxy Server: Study and Performance Analysis)**

Sr. No.	Duration of work	Description / Abstract of the work
1.	12 <sup>th</sup> April 2001 to 14 <sup>th</sup> October 2001	Candidate did literature survey and familiarized himself with web proxy servers.
2.	15 <sup>th</sup> October 2001 to 14 <sup>th</sup> April 2002	Candidate studied different images and storage of these images using different formats. Problem of utilization of bandwidth for web proxy servers was identified for further study. A paper is communicated in conference based on the work related to utilization of bandwidth. Also, the paper is presented in conference in December 2001.
3.	15 <sup>th</sup> April 2002 to 30 <sup>th</sup> November 2002	Comparisons of image formats like BMP, GIF, JPET, LDF, PCX etc done on some sample images. Storage of these images on Proxy Servers is studied and certain performance issues are analyzed. Results are communicated in conference, and presented in November 2002
4.	November 2002 to April 2003	To analyze the problem of bandwidth utilization for web-proxy servers, the database was collected from various clients and proxy servers. The information about various time slots, web documents, hit-and-miss ratio etc was captured in the database.
5.	April 2003 to November 2003	Modeling of file size distribution, file popularity, one-time referencing etc is done based on the database collected earlier. Based on this modeling, implementation scheme for optimal bandwidth utilization for proxy server is proposed.
6.	December 2003 to April 2004	Multi-level caching for Web-proxy server implementation is studied. Level one caches within web-browsers are studied. Further, the use of level two caches is studied for the intranet within the institute.
7.	April 2004 to November 2004	File popularity and ranking models based on earlier schemes

		were developed and they are under implementation.
8.	December 2004 to May 2005	The implementation of file popularity and ranking models is completed during this period. Based on the implementation results, the journal paper titled “Parameter Selection Schemes For Web Proxy Server And Their Performance Evaluation” is communicated to an international journal.
9.	June 2005 to December 2005	The Paper titled Parameter selection scheme for web proxy server and their performance evaluation is revised and revised version is submitted for final publication. Other paper reporting the work on efficient caching proxy server parameters is communicated for publication. The preliminary organization of the thesis is initiated.

### **EXPERIENCE :**

POST	INSTITUTION	FROM	TO
INSTRUCTOR	ABHINAV COMPUTER TRAINING INSTITUTE, CHIKHLI M. S.	01-07-92	15-11-92
LECTURER	SHRI SHIVAJI SCI. AND ARTS COLLEGE CHIKHLI M. S.	16-11-92	30-04-1993
LECTURER	ANURADHA ENGINEERING COLLEGE, CHIKHLI	3-6-1993	13-7-1993
LECTURER (DEPUTATION PERIOD FOR POST GRADUATION)	ANURADHA ENGINEERING COLLEGE CHIKHLI (DEVI AHILYA UNIVERSITY INDORE)	14-7-1993	23-7-1995
LECTURER	ANURADHA ENGINEERING COLLEGE, CHIKHLI M. S.	24-07-95	30-11-2002
Sr. LECTURER and HEAD OF CSE Dept.	ANURADHA ENGG. COLLEGE	1-12-2002	31-7-2003
ASSISTANT PROFESSOR and HEAD OF CSE Dept.	ANURADHA ENGINEERING COLLEGE CHIKHLI INDIA	1-8-2003	12-7-2006
PROFESSOR AND I/C PRINCIPAL	ANURADHA ENGINEERING COLLEGE CHIKHLI , INDIA	13-7-2006	12-10-2007
PROFESSOR AND HEAD CE DEPT.	G.H. RAISONI COLLEGE OF ENGINEERING, WAGHOLI, PUNE	13-10-2007	TILL DATE

## **OTHER IMPORTANT ACHIVEMENTS & ACTIVITIES :**

- 1) Working as a **Chairman**, Board Of studies in Computer Science and Engineering S G B Amravati University , Amravati.
- 2) Worked as Member of Academic Council of S G B Amravati University Amravati **2005-2007**
- 3) **Nominated in Marquis Who's Who bibliography of Science and Engineering.**
- 4) **National Services Scheme (NSS) :**  
Member of NSS for all the four years of Engineering Degree.  
Group Leader of NSS unit of 100 students at Shri Sant Gajanan Maharaj, College of Engineering, Shegaon. M. S.  
Program Officer of NSS unit at Anuradha Engineering College, Chikhli, M. S. for academic Year 1996-97 and 1997-98.
- 5) Hold the responsibility as **Head of Computer Department**, Anuradha Engineering college, Chikhli, M. S. from Aug. 1997 to July 2006
- 6) Developed three Computer Laboratories having facilities of Local area Network, Unix, Windows, Multi Media Systems Windows NT, and other related facilities including V-sat internet connectivity, Wi-Fi- network.
- 7) Life Member of Indian Society For Technical Education (LM 23178)
- 8) Identified by Marquis Who's Who as distinguished personality in Science and Engineering. (**Who's Who in Science and Engineering, 10th Anniversary Edition 2007**)

## **SHORT TERM TRAINING PROGRAMMES/ COURSES**

- 1) Attended the AICTE sponsored ISTE Short Term Training Programme on DIGITAL SIGNAL PROCESSING, at SGG SIT, Nanded, 16-27 March, 1998.
- 2) Attended the AICTE sponsored ISTE Short Term Training Programme on INFORMATION TECHNOLOGY AND E-COMMERCE, at REC, Calicut Kerala, 14-26 February 2000.
- 3) Presented paper on INTERNET and INTRANET in National Seminar at Amravati University Amravati. 22-24 January 2000.
- 4) Attended a Three Day Conference on “ Internet and Knowledge Society “ , at JNTU, Hyderabad, 20-22 December, 2002.
- 5) Attended two week short term training programme on “Computer Applications and Modern Techniques in Manufacturing processes” at AEC, Chikhli, March 24- April 5, 2003.
- 6) Hold responsibility as Coordinator for a short term Induction Training programme on “ C Programming Language : A Graphics Oriented Approach.” At Anuradha Engineering College, Chikhli during 21- 26-April 2003.

- 7) Attended two week ISTE sponsored STTP on “Applications of Optimizing Techniques in Science and Engineering”, at Anuradha Engineering College Chikhli, March 29- April 3, 2004.
- 8) Worked as Officer In\_Charge for W-2001 Amravati University Examination.
- 9) Attended ISTE fourth State Convention and National Conference on “ Towards Excellance In Technical Education in Twenty First Century”, At B.N. College of Engineering Pusad M.S. November, 23-24, 1999.
- 10) Attended National Seminar on “Autonomy and Accreditation of The Technical Institutions- Global Perspectives”, November, 29, 2004, At Shri Sant Gajanan Maharaj College of Engineering , Shegaon. M.S.

## **PUBLICATIONS/PRESENTATIONS**

1. M. U. Kharat, “Internet/Intranet”, **National Seminar** on Information Technology – Current Trends 2000, Jan. 22-24, 2000 Amravati University Amravati pp 6.
2. M. U. Kharat, N. S. Chaudhari ,“ Performance Evaluation Parameters of Web Proxy Servers for Optimal Utilization of Bandwidth”, **International Conference** on, Broad band optical fiber communication technology, North Maharashtra University, Jalgaon, India December 5-7, 2001 pp 95-99.
3. M. U. Kharat, N. S. Chaudhari, “Optimal Utilization of Bandwidth for Internet Applications”, **International Conference** on e- Manufacturing” Maulana Azad National Tech. University, Bhopal, India November 17-19, 2002, pp 109-112, ISBN 81-7484-066-4

4. M. U. Kharat, N. S. Chaudhari, “ Parameter Selection Schemes for Web Proxy Servers and Their Performance Evaluation” **Information Technology Journal** of ANSI net 4(4): pp 416-419, 2005 ISSN 1812-5638
5. M. U. Kharat, N. S. Chaudhari, “ Efficient Caching Proxy Server Parameters: An Integrated Approach”, **Information Technology Journal** of ANSI net. 5(2): pp 300-304, 2006 ISSN 1812-5638
6. M. U. Kharat, N. S. Chaudhari, “Study of Web Proxy Server: An approach for efficient services”, **National Conference** on Advance Computing '06”, Madras Institute of Technology Chennai, Feb. 10-11, 2006

Dr. M.U. Kharat

## References

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3) Dr. R. S. Raju  
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