Ramchandra Pandurang Bhavsar (BCS, MCA)

Associate Professor(Computer Science)

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Teaching/Work Experience: 18 years (03 years as Scientist, 07 years as System Analyst, 08 years teaching)

Area of Research/Expertise: Machine Translation, Applied Natural Language Processing, Networking Infrastructure setup, Internet Computing, IT infrastructure setup, Application development,

Research Contribution:

Conference Proceedings

2007-08

1. R. P. Bhavsar, B.V. Pawar, "*Advances in Business Intelligence (BI)*" in the two days national conference on, "Going Global: changing prospects of Indian corporations": organized by the Department of Management Studies, NMU Jalgaon.

2008-09

1. R. P. Bhavsar & B.V.Pawar, "Easy Site: Simple approach to Website Development", Presented at National Seminar on "Sustainable Rural Development: A Strategic Roadmap for Economics Excellence", organized by Dept. of Management Studies, North Maharashtra University, Jalgaon, during 25-26th Sept. 2008 also abstract appeared in Abstract book pp. 121.

2. S. B. Shirude, R. P. Bhavsar & B. V. Pawar, "Application of NLP to reduce the problem of Language Barrier in Rural Development", Presented at National Seminar on "Sustainable Rural Development: A Strategic Roadmap for Economics Excellence", organized by Dept. of Management Studies, North Maharashtra University, Jalgaon, during 25-26th Sept. 2008 also abstract appeared in Abstract book pp. 126.

3. R.P.Bhavsar & **B.V.Pawar**, "Human Assisted Hindi to Marathi Machine Translation: A Perspective", presented at "30th All India Conference of Linguistics", organized by The Linguistics Society of India at Deccan College, Pune during 26-28th Nov., 2008 & also abstract published in the proceeding page no. 57.

- **Talks:** Delivered Lecture series on, "Machine Translation and TAG" for members of Applied Artificial Intelligence Group(AAI) of C-DAC, Pune during 30 May, 2008 to 11 June,2008.

2009-10

1. Dawoodi Hussain, R. P. Bhavsar, B. V. Pawar, "Service based Web Portal Architecture for Educaiton Institutes", at National Conference 17-18 April, 2010, Indore Institute of Science and Technology, Indore(MP) [full length paper appreared in proceedings(soft form)]

2010-11

1. R. P. Bhavsar, B. V. Pawar, " Issues in word to word Hindi-Marathi Translation", at Cochin Science and Technology University(CUSAT), Cochin(Kerla) during National Conference on Indian Language Computing(NCILC-2011) 19-20 February, 2011 [Full paper appeared in proceedings(softcopy)].
2. Dawoodi Hussain, R. P. Bhavsar, B. V. Pawar, "Onilne Admission System", at National Conference on Advances in Comuting(NCAC-2011) at Department of Computer Science, NMU, Jalgaon 24-25 February 2011,[full length paper appreared in proceedings pp267-269, ISBN 978-81-910591-2-0)]
3. R. P. Bhavsar, B. V. Pawar, "Lexical Organization: a concern for NLP", at National Conference on Advances in Comuting(NCAC-2011) at Department of Computer Science, NMU, Jalgaon 24-25 February 2011,[full length paper appreared in proceedings pp 289-292, ISBN 978-81-910591-2-0)]
4. Hussain Dawoodi, R.P. Bhavsar, "Online Admission system", during University and State level research festival Avishkar 2011 at NMU and Nashik(21-23 January 2011). Abstract appeared in Abstract book.

Journal Papers:

1. R. P. Bhavsar, B. V. Pawar, "Rule based Word Morphology Generation Framework", IJCSI International Journal of Computer Science Issues, Vol. 8, Issue 3, No. 2, May 2011ISSN (Online): 1694-0814(Impact factor 0.242)

Visiting Faculty:

1. 2010-2011: Taught the course, "Machine Translation" to the students of M.A.(Translation Studies), M.A.(Language Technology) at Mahatma Gandhi Antararashriya Vishwavidyalaya(MGHAV),Wardha.
2. 2011-12: Taught the course, "Language Engineering" to the students of Master In Language Engineering(MILE) at Mahatma Gandhi Antararashriya Vishwavidyalaya(MGHAV),Wardha.

Workshop/Seminar/Summer School:

1. Attended the International Summer School on Natural Language Processing i.e. IASNLP-2011at IIIT, Hydrabad(AP) as held on 23-5-2011 to 4-6-2011.
2. Participated in the two day workshop on Semantic TAG Parsing at AAI, C-DAC, Pune , as held on 7-8 July 2011 under the E-ILMT ANUVADKSH Project. Delivered talk on Semantic TAG during the workshop.
3. Participated in two days National Seminar on NLP and Image Processing NLIPIP-2012 as organized by Department of Computer Science, NMU, Jalgaon during 16-17 January, 2012.

Ongoing Research project

Project Association	Title of Project	Duration	Amount Sanctioned (in INR)	Funding Agency
Co-PI with PI, Prof. B. V. Pawar	ANUVADKSH (E-ILMT II)	03 years	77.50 Lakhs	TDIL, DIT, MoCIT, New Delhi
PI	Rule Based Verb Morphology Generator	02 years	70,000	Under VCRMS scheme of NMU
Memer, Advisory Committee, UGC sponsored SAP(DRS) scheme	Working on thrust area: Natural Language Processing(NLP)	05 years	50 Lakhs	UGC, New Delhi

Association with Scientific Communities: Life Membership of Linguistic Society of India

Administrative Work experience:

1. Worked as Member of 'Senate' and 'Academic Council' of the university as Vice Chancellor's nominee from Head, Supporting Unit category during 2005-2010.
2. Worked as in-charge Head of the UGC Computer Centre.
3. Worked on many LIC committees as appointed by Hon'ble Vice-Chancellor(s) from time to time as member as well as chairman.
4. Worked as Subject expert on many selection committees for teaching staff recruitment at affiliated colleges/Central School, NMU campus.
5. Worked on various committees of the university as nominated by Hon'ble Vice-Channcellor including purchase committee, technical committee for SAP s/w procurement, etc.
6. Worked as member of ad-hoc BOS of Commerce and Management faculty, Computer Engg. & Information Technology BOS, Engg. Faculty.

Working experience with national bodies/national exposures:

- ✓ Represented university during co-ordination meetings of UGC INFONET and NME-ICT projects of UGC, New Delhi and MHRD, Govt. of India, New Delhi as organized from time to time
- ✓ Represented university during Maharashtra Knowledge Corporation Limited e-Suvidha meetings for working out the SRS for the e-Suvidha portal.

Leadership experience

Worked as In-charge Head of Computer and Instrumentation Center from 2005 to 2011.

Contribution to university/School

- Successfully executed the NMU-NET Campus Area Network(CAN) project for the university. As a result of which Internet Connectivity is now available in Academci Schools of the university.
- Designed, developed and maintained the University website for 2000-2011.
- Designed the online Centralized Admission System for M.Sc. courses on NMU campus as well as affiliated colleges.
- Worked on strengthening the technical infrastructure at the school as well as university. Played important role in deciding the technical specifications of equipments such as Workstations, Servers, Desktop PCs, Laptops, LCD projects etc. for the school as well as university.
- Imparted training to non-teaching staff of the university regarding computer/Internet literacy and awareness.

- Played active role in co-ordinating with government agencies for schemes like UGC-INFONET, NME-ICT/NKN.
- Setup the Wi-Fi connectivity in the School of Computer Sciences.
- Worked on committee(s) for framing syllabi of MCA, M.Sc.(CS), M.Sc.(IT) curricula from time to time.
- Introduced new courses in MCA, M.Sc.(CS), M.Sc.(IT) curricula from time to time.