**CURRICULUM VITAE**

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| **Prof. (Dr.) SANJAY BHARGAVA** | | Email: | [sanjaybhargava78@gmail.com](mailto:sanjaybhargava78@gmail.com); [s\_bhargava22222@rediffmail.com](mailto:s_bhargava22222@rediffmail.com) | C:\Documents and Settings\HCL\Desktop\clip_image002.jpg |
| Date of Birth:  Marital Status: | 01-07-1972  Married | Mob:  Lang.: | 0-9414220143; 0-8410823731  English, Hindi |
| Address *for Correspondence*: **C-103, Doon Trafalgar, Dhoran Khas Bypass, Near I.T. Park, Dehradun–01.** | | | |

**Area of specialization:** *Theory of Computation/Discrete Mathematics/Modelling & Simulation/Numerical Analysis/Compiler Design/Foundation of Computing.*

**Area of interest:** Theory of Computation, Numerical Analysis, Graph Theory & Operations Research, Artificial Intelligence, Software Engineering, Modelling & Simulation, Computer Graphics, Cloud Computing.

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| **PROFESSIONAL EXPERIENCE**  **Total:** *Approx. 17.5 years* - As on 15th February 2014  **Teaching:** *Approx. 14.5 years* | | | | | |
| **July 2012 – Present**  **(Approx. 1 Year & 7 months)** | | | **Professor & Head (Deptt. of IT)**, DIT University, Dehradun, India.  **Key Responsibilities include :**   * Maintained a systematic decorum within the departments of CSE & IT *(The total faculty strength of CSE & IT is approx. 50).* * Designed various curricula and syllabi for the courses running in the current session 2013-2014. * Coordinator of the B Tech – CSE with specialization in Cloud Computing in collaboration with IBM. * I am actively involved in teaching and quality research work. * Being the HOD I also have tried to get some funds towards research projects for the departments of CSE & IT from the funding agencies like DST, MHRD etc. * I have tried to improve the quality of M. Tech & B. Tech Projects and got the success in the same. * Worked as HOD – CSE from **August 2012 – January 2014** in addition to my present designation of HOD – IT. | | | |
| **Dec 2001 – July 2012**  **(10 years & 8 months)** | | | **Assistant Professor**. [Deptt. of Computer Science, Banasthali Vidyapith](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_company_0), [India](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_country_0). | | | |
| **Key Responsibilities include :** | | | |
| a) | *Lectures on* | | |
|  | ● | Modelling & Simulation; | |
|  | ● | Theory of Computation; | |
|  | ● | Numerical Analysis; | |
|  | ● | Graph Theory & Operations Research; | |
|  | ● | Data Structures & Algorithms; | |
|  | ● | Compiler Design; | |
|  | ● | Computer Graphics; | |
|  | ● | Artificial Intelligence; | |
|  | ● | Software Engineering; | |
|  | ● | Discrete Mathematics. | |
| b) | *Providing guidance to the students in their project work / seminars.* | | |
| c) | *Taking active participation in the whole examination process including setting of various papers & their checking.* | | |
| d) | *Evaluation of new technologies / trends for incorporating into curriculum.* | | |
| **July 2001 – Nov 2001**  **&**  **July 2000 – Mar 2001**  **(1 year & 2 months)** | | | [**Lecturer**](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_title_0). [Deptt. of Computer Science, Gurukul](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_company_0) Kangri University, Hardwar, [India](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_country_0). | | | |
| [**Key Responsibilities include :**](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_details_0) | | | |
| a) | *Lectures on* | | |
|  | ● | Modelling & Simulation; | |
|  | ● | Theory of Computation; | |
|  | ● | Numerical Analysis; | |
|  | ● | Graph Theory & Operations Research; | |
|  | ● | Computer Networking; | |
|  | ● | Compiler Design; | |
|  | ● | Computer Graphics; | |
|  | ● | Artificial Intelligence; | |
|  | ● | Advanced Programming in Java; | |
|  | ● | Discrete Mathematics. | |
| b) | *Providing guidance to the students in their project work / seminars.* | | |
| c) | *Prepare and setup Time Table.* | | |
| **Oct 1999 – June 2000**  **(9 months)** | | |  | [**Senior**](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_title_0) **Faculty**. [SCMT, Hardwar,](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_company_0) [India](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_country_0).  [**Key Responsibilities include:**](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_details_0) | | |
|  | | |  | *Lectures on* | | |
|  | | | ● | Discrete Mathematics; | | |
|  | | | ● | Information Technology; | | |
|  | | | ● | Numerical Analysis; | | |
|  | | | ● | Graph Theory & Operations Research; | | |
|  | | | ● | Data Structures & Algorithms; | | |
|  | | | ● | System Analysis and Design. | | |
| **Industry:** *Approx. 3 years* | | | | | | |
| **July 1996 – September 1999**  **(3 years & 3 months)** | | | **EDP Incharge**. [Weavetex Overseas, Bagpat,](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_company_0) [India](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_country_0). | | | |
| [**Key Responsibilities include:**](file:///C:\Documents%20and%20Settings\HCL\Local%20Settings\Temp\resume.htm#emp_details_0)   * Developed Payroll System; * Developed Production Management System; * Overall Head of the organization’s network and to ensure an uninterruptible setup of a total of 150 nodes. | | | |
| **EDUCATIONAL PROFILE** | | | | | | |
| ● | **Ph. D. in Computer Science** from **Banasthali Vidyapith, Banasthali**, India in **2011**. Title – ***Parsing with Neural and Finite Automata Networks using Graph Grammar.*** | | | | | |
| ● | **M.C.A.** from Gurukul Kangri University in **1996** with **72%** marks. | | | | | |
| ● | **B. Sc. (Computer Science)** from Gurukul Kangri University in **1993** with **75%** marks. | | | | | |
| **RESEARCH PUBLICATIONS** | | | | | | |
| (i) | | Bhargava, S. and G. N. Purohit [2011]. “An Experimental Survey on Parsing with Neural and Finite Automata Networks”. *International Journal of Computer Science Issues (IJCSI)*. vol. 8, no. 4 (2), pp. 279-288.**IMPACT FACTOR -> 0.242**. | | | | |
| (ii) | | Bhargava, S. and G. N. Purohit [2011]. “Parsing with Neural and Finite Automata Networks using Graph Grammar”. *International Journal of Computer Applications (IJCA)*. vol. 23, no. 4, pp. 13-20. | | | | |
| (iii) | | Bhargava, S. and G. N. Purohit [2011]. “Construction of a minimal deterministic finite automaton from a regular expression”. *International Journal of Computer Applications (IJCA).* vol. 15, no. 4, pp. 16-27. | | | | |
| (iv) | | Bhargava, S. and G. N. Purohit [2011]. “Parsing a Natural Language: A Non-Statistical Approach”. *National Journal of Computer Science & Technology (NJCST)*. vol. 3, no. 1, pp. 23-33. | | | | |
| (v) | | Jangir, M., Bhargava, S. and O. S. Lamba [2013]: “Performance Comparison of UMTS and LTE on The Basis of Data Rates”. *International journal of Electronics and Communication Engineering &Technology (IJECET)*. vol. 4, no. 7, pp. 89-94. | | | | |
| (vi) | | Sajwan, M., Acharya, K. and S. Bhargava [2014]: “Swarm Intelligence Based Optimization for Web Usage Mining in Recommender System”. *International Journal of Computer Applications Technology and Research (IJCATR)*. vol. 3, no. 2, pp. 119-124. | | | | |
| (vii) | | Acharya, K., Sajwan, M. and S. Bhargava [2014]: “Analysis of Cryptographic Algorithms for Network Security”. *International Journal of Computer Applications Technology and Research (IJCATR)*. vol. 3, no. 2, pp. 130-135. | | | | |

**PAPER PRESENTED IN CONFERENCE:**

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| (i) | Bhargava, S. and G. N. Purohit [2009]. “Construction of a minimal deterministic finite automaton from a regular expression”. *Jubilee Conference on Discrete Mathematics (JCDM)*. Organized by Banasthali university in January 2009. |
| (ii) | Jangir, M., Bhargava, S. and O. S. Lamba [2013]: “Performance Comparison of UMTS and LTE on The Basis of Data Rates”. *International Conference on Communication Systems (ICCS-2013)*. Organized by B. K. Birla Institute of Engineering & Technology, Pilani, India in October 2013. |

**Other Achievements:**

(i) **Reviewer** in International Journal of Computer Science Issues (*IJCSI: Impact Factor: 0.242*), IACSIT, WJMS, IJCSIS, International Journal of Computational Linguistics.

(ii) **Reviewer** in an international Conference **WORLDCIST*13***.

(iii) Taken Guest lectures & Tutorials on C++ in M.C.A., Deptt. Of Mathematics, **IIT Roorkie, Roorkie**, from July 2000 to December 2000.

(iv) More than 10 research papers are under publication process.

(v) Coordinator of B tech (CSE) with specialization in Cloud Computing , the program running in collaboration with IBM.

**Present Salary:** Approximately Rs. 1, 30,000/- pm.

*Detailed Breakup of Rs 1, 30,000 is :–*

*Rs. 95,000/- pm as gross salary +*

*Accommodation Rented by employer with rent as Rs 20,000/- pm +*

*Performance linked incentive (Approx. Rs. 15,000 pm).*

**Expected Salary:** Negotiable but in line with my present salary.