

Dr. Sudhir Goyal

System Programmer

Information Technology, UIET

PANJAB UNIVERSITY CHANDIGARH - 160014

Email:sgoyal@pu.ac.in, mr.sudhirgoyal@gmail.com



## Educational Background

| S.No | Degree | Organization                | Year of Passing |
|------|--------|-----------------------------|-----------------|
| 1    | Ph.D   | Thapar University, Patiala  | 2016            |
| 2    | M.C.A  | Punjabi University, Patiala | 2004            |
| 3    | B.C.A  | Punjabi University, Patiala | 2001            |

## Employment Record

| S.No | Organization                                  | Designation | Duration          |
|------|---|-------------|-------------------|
| 1    | Panjab University, Chandigarh                 | Programmer  | 2013 to Till Date |
| 2    | Thapar University, Patiala                    | Programmer  | 2007 - 2013       |
| 3    | APEEJAY Institute of Management,<br>Jalandhar | Lecturer    | 2005 - 2007       |
| 4    | DAV College, Gidarwaha                        | Lecturer    | 2004 -2005        |

## Publications in Journals/Conferences

1. Sudhir Goyal, Seema Bawa, Bhupinder Singh, "Energy Optimised resource Scheduling algorithm for private Cloud computing", Int. J. AdHoc and Ubiquitous Computing (**SCIE**), vol.23, no.1, pp.115-123, 2016. ISSN:1743-8233.
2. Sudhir Goyal, Seema Bawa, Bhupinder Singh, "Green Service Level Agreement(GSLA) framework For Cloud Computing", Computing (**SCI**), vol.98, no.9, pp.949-963, 2016. ISSN: 1436-5057.
3. Sudhir Goyal, Gurdev Thakur, "E-commerce a Modern Solution to Global Business; A Comprehensive Analysis of Ecommerce, Electronic Infrastructure", IMS Manthan, vol.1, no.1, pp.69-78, 2006. ISSN:0974-7141.

4. Sudhir Goyal, Seema Bawa, Bhupinder Singh, "Experimental Comparison Of Three Scheduling Algorithms for Energy Efficiency in Cloud Computing", IEEE Conference On Cloud Computing in Emerging Markets (CCEM), pp.1-6, IEEE Bangalore.

### **Workshops/Symposium/ Seminars**

1. Attended Workshop on Advanced Engineering Optimization through Intelligent Techniques, at SVNIT, Surat from 22-06-2015 to 26-06-2015.

2. Attended Workshop on Cloud Computing and High performance computing, at Thapar University, Patiala from 05-12-2012 to 08-12-2012.

3. Attended Workshop on Application of data mining in software fault prediction/Cloud Computing, at Chitkara University, Chandigarh from 20-07-2011 to 20-07-2011.

4. Attended Workshop on Web based designing, at NITTTR, Chandigarh from 15-05-2017 to 19-05-2017.

5. Attended Workshop on Java Fundamental & Java Programming, at NITTTR, Chandigarh from 22-05-2017 to 26-05-2017.

6. Organized Workshop on Emerging Trends in telecommunication and IT, at Panjab University, Chandigarh from 03-10-2013 to 04-10-2013.

7. Organized Workshop on Workshop on Java Learning Program, at Thapar University, Patiala from 22-12-2008 to 03-01-2009.

8. Organized Workshop on Workshop on Java and JEE, at Thapar University, Patiala from 20-12-2010 to 31-12-2010.

### **Books/Books Edited/Book Chapters**

1. Sudhir Goyal, Vikram Aggarwal, Strategic offshore outsourcing: Business innovation power by technology, Strategic Outsourcing, Deep and Deep Publications, ISBN:81-7629-963-4, 2007.

2. Sudhir Goyal, Vikram Aggarwal, E-Governance: A Blend of Information Technology and Internet towards smart Governance, Application of IT and Management in Economic Growth, Deep and Deep Publications, ISBN:978-81-8450-120-9, 2008.

## Professional Membership/Award/Fellowship Details:

| S.No | Name of Professional Society/<br>Institute/Organisation | Membership/ Award /<br>Fellowship Type          | Completion Date |
|------|---|---|-----------------|
| 1    | Microsoft   | MCSE Certification                              | 02-06-2008      |
| 2    | IBM   | IBM Certified DB2 9<br>database and application | 06-05-2011      |
| 3    | Manjrasoft Pty Ltd, Australia                           | Aneka Cloud                                     | 05-12-2012      |
| 4    | Microsoft   | Microsoft Cloud Azure                           | 21-01-2016      |

## Technical Proficiency:

- **Programming languages** : Java, C, C++
- **Database** : Oracle, MSSQL, MYSQL, DB2
- **Simulators** : CloudSim
- **Operating systems** : Windows, Linux
- **IDEs** : NetBeans, Eclipse
- **Others** : ICT and Server Management

## Subjects Teach:

| S.No | Subjects                               | Level         |
|------|--|---------------|
| 1    | Java Technologies                      | Undergraduate |
| 2    | System Software                        | Undergraduate |
| 3    | Internet Applications                  | Undergraduate |
| 4    | Operating System                       | Undergraduate |
| 5    | Internet Application and Java          | Undergraduate |
| 6    | Operating System                       | Undergraduate |
| 7    | Data Communication & Computer Networks | Postgraduate  |
| 8    | E-commerce                             | Postgraduate  |

## Key References:

- Prof. (Dr.) Krishan Kumar Saluja  
Professor-Department of Information Technology UIET, Panjab University, Chandigarh, India  
ksaluja@ieee.org, k.salujaiuet@gmail.com, k.saluja@pu.ac.in
- Prof. Seema Bawa (Ph.D. Research Guide)  
Professor - Department of Computer Science & Engineering,  
Thapar University, Patiala, India seema@thapar.edu
- Dr. Bhupinder Singh (Ph.D. Research Guide) Sr. Program Manager,  
Microsoft India R&D Pvt. Ltd. Hyderabad)  
bhupindersinghsaini@gmail.com

