Ishpreet Singh Virk

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Objective

To work in a progressive and professionally managed organization that provides adequate opportunities and environment to draw upon my knowledge, research, strength and experience to attain mutual benefit in the field of computer science.

Education

Level	Board\University	Year	% Marks
Ph.D. (Pursuing)	Punjabi University, Patiala	2014	-
M.Tech (CSE)	Punjabi University, Patiala	2010-2012	76.75
B-Tech (CSE)	Punjabi University, Patiala	2005-2009	73.60
12th	PSEB, Mohali	2004-2005	60.22
10th	PSEB, Mohali	2002-2003	65.20

Teaching & Professional Experience

Position Held	Name of Organization	Period		Nature of Work
		From	To	
Assistant Professor	Baba Banda Bahadur Engineering College, Fatehgarh Sahib	20.07.2012	Till Date	Teaching
Graduate Engineer Trainee	Oriental Structural Engineers Pvt. Ltd., New Delhi	01.07.2009	30.06.2010	ABAP Developer and SAP-ERP-Coordinator

Publications in International Journals

S.No	Author(s)	Year of Publication	Title of Paper	Name of the Journal, Volume/ Page numbers,
1	Ishpreet Singh Virk, Raman Maini	2011	Content Based Image Retrieval: Tools and Techniques	Research Cell: An International Journal of Engineering, Vol. 5, pp.21-35 ISSN 2229-6913
2	Ishpreet Singh Virk, Raman Maini	2012	Cloud Computing: Windows Azure platform	Journal of Global Research in Computer Science, Vol.3, pp.74-76 ISSN 2229-371X
3	Ishpreet Singh Virk, Raman Maini	2012	Biometric Authentication System: Tools and Techniques	IJCA/Volume 2, PP.150-163 ISSN 2250-1797
4	Ishpreet Singh Virk, Raman Maini	2012	Finger Print Image Enhancement And Minutiae Matching In Finger Print Verification	Journal Of Computing Technologies, Vol. 1, pp.1-14 ISSN 2278-3814
5	Kanwaljot Singh Sidhu, Ishpreet Singh Virk	2012	Medical Image Denoising In The Wavelet Domain Using Haar And DB3 Filtering	International Refereed Journal of Engineering and Science, Volume 1,pp.01-08 ISSN 2319-1821
6	Ramanpreet Kaur, Ishpreet Singh Virk	2012	A Comparative Study of Combination of Different Bit Positions In Image Steganography	International Journal of Modern Engineering Research ISSN: 2249-6645, Vol.2, Issue 5 pp-3835-3840
7	Anjali Rana, Ishpreet Singh Virk	2013	Implementation and Analysis of Multiple Polar Harmonic Equations in a Rotatory Two Dimensional Graphical Plane for Thumb Pore Identification	IJCA/Volume 79,pp- 34-38
8	Gaganjot Kaur, Ishpreet Singh Virk	2014	Content Based Image Retrieval Using Hybrid Technique	International Journal of Scientific Engineering and Technology, Volume No.3 Issue No.9, pp : 1179-1183
9	Balpreet Singh, Ishpreet Singh Virk	2014	Fingerprint Minutiae Extraction and Compression Using LZW Algorithm	International Journal for Scientific Research & Development,Vol. 2, Issue 07, pp. 100-105
10	Gurjot Kaur, Ishpreet Singh Virk	2014	Edge Detection through Fuzzy System using Type I Format	IJCA/Volume 102– No.13, pp. 24-27

S.No	Author(s)	Year of Publication	Title of Paper	Name of Journal
11	Garima Anand, Ishpreet Singh Virk	2014	MULTIPLE MESSAGES WATERMARKING IN DIGITAL IMAGE	International Journal of Advanced Technology in Engineering and Science, Volume No.02, Special Issue No. 01
12	Navdeep Singh, Ishpreet Singh Virk	2015	Linear Discriminant Analysis based Hybrid SVM- CART for Intrusion Detection System	International Journal of Engineering Development and Research, Volume 3, Issue 4
13	Rajvir Kaur, Ishpreet Singh Virk	2016	Enhanced Human Iris Recognition System based on Procedure of Authentication System	International Journal of Computer Applications (0975 – 8887) Volume 146 – No.9,
14	Sushil Sharma, Ishpreet Singh Virk	2016	Image Steganography using Two's Complement	International Journal of Computer Applications (0975 – 8887) Volume 145 – No.10
15	Harneet Kaur, Ishpreet Singh Virk	2016	The Study Edge Detection of Medical Images using Transformation Techniques and Filteration Methods	International Journal of Computer Applications (0975 – 8887) Volume 146 – No.12
16	Pooja Pandey, Ishpreet Singh Virk	2016	Comparison between Standard K-Mean Clustering and Improved K-Mean Clustering	International Journal of Computer Applications (0975 – 8887) Volume 146 – No.13
17	Satbir Kaur, Ishpreet Singh Virk	2016	Comparison between Edge Detection Techniques	International Journal of Computer Applications (0975 – 8887) Volume 145 – No.15
18	Harneet Kaur, Ishpreet Singh Virk	2016	Optimized Edge Detection of Medical Images Using Bacterial Foraging Optimization Method	THE RESEARCH JOURNAL (TRJ): A UNIT OF I2OR, ISSN: 2454-7301 (PRINT), ISSN: 2454-4930 (ONLINE) VOL. 2 ISSUE 4, DOI:
19	Rajvir Kaur, Ishpreet Singh Virk	2016	Iris Recognition using Feature Extraction Technique (SIFT)	THE RESEARCH JOURNAL (TRJ): A UNIT OF I2OR, ISSN: 2454-7301 (PRINT), ISSN: 2454-4930 (ONLINE) VOL. 2 ISSUE 4, DOI:

Papers in International Conferences

S.No	Author(s)	Year of Publication	Title of Paper	Name and Place of Conference
1	Jagmeet Kaur, Ishpreet Singh Virk	2017	Survey on Image Denoising Teachniques.	International Conference on Eco-Sensitive Developments in Science & Technology (ESDST-2017), Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab.

Papers in Indian Conferences

S.No	Author(s)	Year of Publication	Title of Paper	Name and Place of Conference
1	Ishpreet Singh Virk, Raman Maini	2011	SAP ERP: Material Management Overview	International Conference On Technological & Management Advancements: Issues And Challenges. Place: RIMT, Mandi Gobindgarh (PB)
2	Gaganjot Kaur, Ishpreet Singh Virk	2014	Review On Edge Detection Through Fuzzy System Using Type I Format	CSI National Seminar On Cyber Warfare 2014 (NSCW2014), Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab.
3	Gurjot Kaur, Ishpreet Singh Virk	2014	Review of Content based Image Retrieval System with Hybrid Clustering	CSI National Seminar On Cyber Warfare 2014 (NSCW2014), Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, Punjab.
4		2017		

Course Taught

Name of the Course	Level (UG/PG)	Year in which taught	Class Strength
Computer Graphics	UG	2016	60
Advanced Computer Architecture	PG	2016	7
Software Project Management	UG	2016	54
Digital Image Processing	PG	2016	07
System Analysis and Design	UG	2015	44
Advanced Computer Architecture	PG	2015	07
Digital Image Processing	PG	2015	18
Object Oriented Analysis and Design	UG	2015	44

Advance Software Engineering	PG	2014	18
Cloud Computing	UG	2014	60
Computer Graphics	UG	2013	60
Software Project Management	UG	2013	60
Software Engineering	PG	2013	11
System Programming	PG	2013	60
Linux Operating System	UG	2013	11
Distributed System	PG	2013	36
Adv. Programming Language	PG	2012	15
Computer Graphics	UG	2012	60

Student Research – Masters Degrees

S.No	Name of Student	Year of Completion	Title of Thesis
1	Kanwaljot Singh Sidhu	2012	Image denoising in wavelet domain using haar and db3 filters
2	Ramanpreet Kaur	2013	A Study to Determine the role of combination of least Significant bits in Image Stenography
3	Aman Singla	2014	Identification and Envisioning of Comparative Sentences in Text Documents
4	Anjali Rana	2014	MULTIPLE POLAR HARMONIC EQUATIONS IN ROTATORY TWO DIMENSIONAL GRAPHICAL PLANE FOR THUMB PORES
5	Gaganjot Kaur	2014	Hybrid Clustering Approach for Content Base Image Retrieval Technique
6	Balpreet Kaur	2014	FINGERPRINT MINUTIAE EXTRACTION AND COMPRESSION USING LZW ALGORITHM
7	Gurjot Kaur	2014	EDGE DETECTION THROUGH FUZZY SYSTEM USING TYPE I FORMAT
8	Garima Anand		
9	Navdeep Singh		

Industry Experience

Period	Organization	Description of Work and Responsibilities
01.07.09 to 30.06.10	OSE Pvt. Ltd., New Delhi	Worked as a SAP-Coordinator. **SAP implementation projects completed at OSE** o SAP ERP at PSP (Pune Solapur Project) o SAP ERP at RTN (Reliance Tamil Nadu Highway Project) o SAP ERP at DIAL (Delhi International Airport Project, New Delhi) o SAP ERP at YEP (Yamuna Expressway Project, Agra) **Responsibilities as SAP-Coordinator at OSE.** o SAP Configuration and adding company new projects/plants into the SAP-ERP system. o System Integration Testing (SIT) o SAP Go Live for company new projects. o Developing management reports with SAP-ABAP development. o Period-End-Closing Activities. o Onsite Training to Various Departmental Heads. o *End User Support in various Roll-Outs* o Preparation of Departmental SOP (System Operating Procedure). o *Post Go-live Support to various departments.*

Workshops Organized

Sr.No	Topic	Year	Duration (Days)	Place
1	"ANDRIOD APPLICATON DEVELOPMENT" under the aegis of ISTE	2013	01	BBSBEC, FGS
2	Big Data			

Workshops Attended

Sr.No	Topic	Year	Duration	Place
1	Cloud Computing	2013	02 Days	Chitkara University
2	Malware Analysis	2014	02 Days	Chitkara University

Training Programs Conducted

Sr.No	Topic	Year	Duration	Place
1	PHP and CMS (Joomala 2.5)	2013	Six Weeks	BBSBEC,Fgs
2	PHP and CMS (Joomala 2.5)	2014	Six Weeks	BBSBEC,Fgs

Training Programs Attended

Sr.No	Topic	Year	Duration	Place
1	Induction Training Programme	2012	One Week	NITTTR, Chd
2	Computer Networking Using CCNA	2014	One Week	NITTTR, Chd

Participation in organizing events

Sr. No	Event	Year	Duration	Place
1	FDP on CLOUD COMPUTING: APPLICATIONS & ISSUES	2016	One Week	BBSBEC, Fgs
2	FDP on FDP-Soft Computing techniques for Engineering Applications	2016	One Week	BBSBEC, Fgs

3	Science for Sustainable Global Development	2015	01 Day	BBSBEC, Fgs
4	World Sikh Environment Day	2014	01 Day	BBSBEC, Fgs
5	National Seminar on Cyber Warfare	2014	02 Days	BBSBEC, Fgs
6	INSPIRE Camp (DST Sponsored)	2014	01 Week	BBSBEC, Fgs
7	INSPIRE Camp (DST Sponsored)	2013	01 Week	BBSBEC, Fgs

Membership of Professional Bodies

Sr. No	Name of Professional Body	Year of joining	Designation
1	International Society For Research and Development (ISRD)	2014	Member

Technical Skills

- C, C++, HTML, Visual Basic, SAP-ABAP, SAP-MM.

Undergoing projects on at BBSBEC, Fgs.

- Building private cloud in the department of CSE so as to share resources between other departments of BBSBEC.
- bbsbec.edu.in website (Updating and maintaining)
- BBSBEC SMS Portal, project to help faculty members to communicate with student's parent through an online SMS portal.
- BBSBEC Dissertation Management System, an online system to manage the research works in the college.
- BBSBEC Android App, in 2012 we successfully launched BBSBEC Android application.

Google H-Factor

Google H-Factor	4

Google Citations	59

Extra Curricular activities

- o Won first prize in photography competition at Runbhoomi techfest held at Punjabi University.
- o Placement representative of our M.Tech class, Punjabi University, Patiala.
- o Participated in seven days N.S.S. camp, 2011 held at Punjabi University, Patiala.

References

1. Dr. Raman Maini, Professor in Computer Engineering Department, Punjabi University, Patiala, E-mail- research_raman@yahoo.com, 9779020951

2. Dr. Lakhwinder Kaur, Professor in Computer Engineering Department, Punjabi University, Patiala, E-mail- mahal2k8@yahoo.com, 9872071703

3. Prof. R.S. Uppal, Associate Professor and Head in Computer Science Engineering Department, Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib. E-mail- rs.uppal@bbsbec.ac.in, 9855651466

4. Er. Sandeep Aggarwal, President-Material Management, Oriental Structural Engineers Pvt. Ltd. 21, Commercial Complex, Malcha Marg, Diplomatic Enclave, Chankya Puri, New Delhi - 110 021 E-mail- sandeepagrawal@orientalindia.com 9810624471

I declare that all information provided with this application is true to the best of my knowledge and belief,

Date : 08.02.2017

Ishpreet Singh Virk

Place : Patiala