Curriculum Vitae

Mr. Manpreet Singh Bajwa

Head Admission & Assistant Professor – FEAT , SGTU
GURUGRAM MEMBER - IEEE, ICST, CSTA, IUCEE
SPEED, IACST
B.Tech (C. Sc), M.Tech (CS&E), PHD(persuing)
E-mail: **manisinghbajwa@gmail.com**
Contact No 7838767770.

Mr. Manpreet Singh Bajwa

Objectives:-

To work with a reputed institution as a faculty member, that will provide me a good platform to utilizeand further enhance my teaching and administration skills, so as to help me grow in my career.

Academic Qualifications:-

❖ Pursuing PHD from Poorima University, Jaipur

❖ Secured Master's in Technology (Computer Science& Engineering) from Amity University, Noida ,UttarPradesh ,in the academic session 2014-2016 with 6.92 CGPA.

❖ Secured Bachelor of Technology (Computer Science) Degree from the Jaipur National University
Jaipur , Rajasthan in year 2008-2012 with 70.2 %

❖ Senior Secondary Education from Tagore Public School NRI , Jaipur in year 2006-08 with 75 %

❖ Higher Secondary Education from Ryan International School , Jaipur in 2004-2006 with 75%.

❖ Memberships : IEEE, ICST, CSTA, IUCEE SPEED, IACST

Professional Experience :-

❖ HOD Admission SGT since April 2023 till date.

❖ Assistant Professor from June 2020 till date in SGT University Gurugram.

❖ Assistant Professor & Coordinator CSE since Sept 2022.

❖ Assistant Professor & Assisted Director Academics from May 2020 – Aug 2020.

❖ Assistant Professor & Assisted Dean Engineering from Sept 2020- Dec 2020.

- ❖ Assistant Professor & Assisted Pro Vice Chancellor (Academics) Jan 2021- March 2021.

- ❖ Assistant Professor from June 2016 – April 2020 (4 year). Working as IEEE Branch Counsellor, Website Coordinator, Kerberos Club Coordinator and Taught Data Structures, DAA, RDBMS,AIand Web Technologies. (Appreciated for result in AI(Session Dec 2016) and RDBMS – WT(May 2017)

- ❖ Worked as a Business Development Associate in Think and Learn Pvt. Ltd. Bengaluru through Campus Placement.

- ❖ Worked as a PGT CSc. for about two years in the field of education (both teaching and administration) in Ryan International School , Jaipur (Aug 2012- July 2014)

- ❖ Worked as a PGT IP- for about 6 months experience in Seedling Modern High School, Jaipur (March 2012 – Aug 2012).

Teaching Goals:-

- ❖ Thorough understanding of the subject with ability to convey the same to the students.

- ❖ Good communication and interactive skills.

- ❖ Good interpersonal skills

- ❖ Possess knowledge about the internal administrative tasks that are performed within institutions.

- ❖ Conducted the subject lectures regularly, keeping an eye on the understanding of the students.

- ❖ Ability to handle the class and an ability to motivate students for better learning.

- ❖ Provided students with information outside the classroom such as the future prospects in the subject, the competitive exams, etc.

- ❖ Carried out practical sessions of C/C++ with explanation about the purpose of the experiment and the procedures that follow to seek results

Area of Interest:-

C-Programming, C++ Programming, , Design Analysis & Algorithms (DAA), Computer Networks ,Object Oriented Technology & OOP's, Digital Computer Fundamentals ,Operating Systems, Software Project Management, Software Engineering, Software Testing, Image Processing, Soft Computing, Cloud Computing, Data mining & warehouse.

Internship and Workshops attended:-

S NO	Type of Event	Level	Numbers	Under umbrella of
1	Seminar	College Level	40+	UNIVERSITY /AICTE/CBSE/NITTTR/
		State	10+	
		National	5+	
		International	5+	
2	Webinar	College Level	25+	UNIVERSITY
		State	20+	
		National	50+	
		International	10+	
3	Workshops	College Level	10+	UNIVERSITY
		State	10+	
		National	10+	
		International	2+	
4	Conferences	International	5+	UNIVERSITY
5	Certification	Online	50+	Coursera, Udemy, NPTEL, GOOGLE

Roles and Responsibility:

Post held	Dept / College	Under umbrella	Till
HOD Admission	SGTU	SGTU	April 2023-Till date
Coordinator	CSE SGTU	Dept Coordinator (Deputy HOD)	Sept 2022- Dec 2022
Assisting PVC	SGTU	Branding , CRC , Admissions , Projects	Jan 2021- March 2021
Assistant Professor	SGTU	Time table, FB Page, Co curricular activities	May 2020- Till date
Assisting DEAN	SGTU	Overall activities	Sept 2020- Dec 2020
IEEE Branch Counselor	CGC COE	IEEE Student Branch CGC COE	Feb 2017 – April 2020
Chief Website Coordinator	CGC COE	Chandigarh Group of colleges Landran Mohali	Aug 2014- Till Date

Chief Coordinator Kerberos Club	CGC COE	Chandigarh Group of colleges Landran Mohali	Aug 2014- TillDate
Assistant Professor	CGC COE	Chandigarh Group of colleges Landran Mohali	July 2014-TillDate
Business Development Associate	Think and Learn PvtLtd Bangalore	Think and Learn Pvt Ltd	Dec 2015- July 2016
Chief Secretary	Amity Chapter, India	IUCEE SPEED	July 2015- July 2016
Acting Head of Dept	Ryan International School Jaipur	Ryan International School Jaipur	Jan 2013- July 2014
PGT IP CSc	Ryan International School Jaipur	RIS Jaipur	Aug 2012- July 2014
PGT IP	Seedling Modern High School Jaipur	SMHS	March 2012- Aug 2012

Seminar/ Workshops / Conferences Coordinated:

S NO	Type of Event	Level	Numbers	Under umbrella of
1	Seminar	CollegeLevel	20+	UNIVERSITY
		State	10+	
		National	5+	
		International	NIL	
2	Webinar	CollegeLevel	15+	UNIVERSITY
		State	2+	
		National	2+	
		International	2+	
3	Workshops	College Level	10+	UNIVERSITY
		State	5+	
		National	NIL	
		International	NIL	
4	Conferences	International	2	UNIVERSITY

Activities Involved :

- ❖ Inaugurated CGC COE Google Club and conducted different activities under that umbrella for CGC COE Landran.(2019).
- ❖ Organizer at Privartan 2019(annual college fest).
- ❖ Inaugurated IEEE Student Branch IEEE and conducted different activities under aegis of IEEE Student Branch CGC COE Landran.(2017-18)
- ❖ Chief coordinator for website CGC COE , Landran (2017 -18)
- ❖ College Associate with Wipro for its Java Training for Pre final and final year students.(2017 -18)
- ❖ Had been actively participated in placement duties in or outside the campus accompanied final year students for placements. (2016-18)
- ❖ Conducted PTU internal and external practical.(2016-2018)
- ❖ Acting Class Counsellor of group 35 students. (2016-18)
- ❖ Coordinator in Kerberos Club organised various events and workshop.(2016-18)
- ❖ Member of the IUCEE – SPEED workshop conducted in Amity University Noida. (2014-2016)
- ❖ Chief Secretary Chair of Amity Chapter – IUCEE. Working for arranging workshops under IUCEE.(2014-2016)
- ❖ Have participated in the workshop by IUCEE-SPEED Regional Student Forum on Engineering Education without Borders.(2014-2016)
- ❖ Have secured firsts position for presenting the best action plan in the IUCEE-SPEED Regional Student Forum on Engineering Education without Borders.(2014-2016)
- ❖ Have been the student coordinator during the conferences held in the college(2014-2016).
- ❖ Acting Head of Dept. Of Computers in Ryan International School, Jaipur (2012-2013).
- ❖ Coordinator in X Standard CBSE Computer Copies Correction.(2012-2013).
- ❖ Completed the magazine work of School with making magazine FOOTPRINTS Head of Technical Board.(2012-2013).

- ❖ Anchoring many debates and competitions under School (Inter and Intra). Coordinated many workshops,Seminars, Fest. (2012-2013).
- ❖ Evaluator in CBSE practical exam class X -XII Standard. (2012-2013).
- ❖ Successfully conducting ASL for CBSE for Class IX – XII. (2012-2013).
- ❖ Headed Technical Teams in projects like ISA School award. Also achieved ISA award for being the Technical leader.(2012-2014)
- ❖ Technical Leader and Acting Mentor of Social Transformation Club , Ryan International School - Community Outreach (2012-2014)
- ❖ Vice President of Dramatics Club, Jaipur National University (2010-2011).
- ❖ Conducted a seminar on Google Apps 2011 Sept.2011
- ❖ Coordinator for Engineers Day, Sept 2010.
- ❖ Software Presentation - Participated in software presentation in "Technorazz" cultural fest in June2011.

Research publications:-

- ❖ Presented a paper on Data Mining in National conference at Jaipur National University, Jaipur March 2015.
- ❖ Presented a Paper "Code optimization as a tool for testing software "at BVICAM - INDIACOM 2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom) ,IEEE Delhi International Conference.
- ❖ Presented a paper titled "Analyzing and interpreting the fault localized using PCA with CK metrics" at JUIT , Solan in International Conference on Parallel, Distributed and Grid Computing (PDGC) Dec '16
- ❖ Presented a paper in 4th International Conference on Signal Processing, Computing and Control (ISPCC)   titled "Fault Localisation in software testing using Soft Computing Approaches", 2017 .
- ❖ Presented a paper in 2017 ICIC at CGC COE ,Landran titled "Modified Error Data Normalized Step Size algorithm Applied to Adaptive Noise Canceller".
- ❖ Presented a paper in 2017 ICIC at CGC COE , Landran titled "A Review On Cluster Head Selection Algorithms In Mobile Ad-Hoc Networks "
- ❖ Presented a paper in 2017 ICIC at CGC COE ,Landran titled "Study of various cloud service platform: A Comparison".

- ❖ Presented a paper in 2022 in springer " A Comprehensive Framework for Online Job Portals for Job Recommendation Strategies Using Machine Learning Techniques".
- ❖ Presented a paper in 2022 in spinger " A Comprehensive Approach for Recognizing the Ocular Impression Using Machine Learning-Based CNN and LBP Plainer Interpolation".
- ❖ Presented a paper in 2023 in spinger " A Comprehensive Approach for Recognizing the Ocular Impression Using Machine Learning-Based CNN and LBP Plainer Interpolation".

Patents :

Sr. No.	Patent Title	Authors	Application Number	Application Type
1	Pedestrian Jacket	Manpreet Singh Bajwa	201811002353	Complete Filing
2	Virtual Assistant	Manpreet Singh Bajwa	201711034037	Complete Filing
3	Sonic Wheelchair	Manpreet Singh Bajwa	201711014118	Complete Filing
4	A Platform For Securely Collaborating , Building Projects And Getting Incubation	Manpreet Singh Bajwa	201921001351	Complete Filing
5	Automatic Vehicle Controlling System	Manpreet Singh Bajwa	201911004396	Complete Filing
6	Biometric Based Attendance System and a method Thereof	Manpreet Singh Bajwa	201911034736	Complete Filing
7	System for providing services to user(s) based on purchase behaviour	Manpreet Singh Bajwa	201911034740	Complete Filing
8	Healthcare system and a method for thereof	Manpreet Singh Bajwa	201911034583	Complete Filing
9	Information retrieval method	Manpreet Singh Bajwa	201911031441	Complete Filing

10	System and method for forecasting credit risk	M anpreet Singh Bajwa	201911034737	Complete Filing
11	Method for analysing consumerbehaviour	Manpreet Singh Bajwa	201911031034	Complete Filing
12	Fraud detection method	Manpreet Singh Bajwa	201911034582	Complete Filing
13	Smart parking management system anda methodfor the same	Manpreet Singh Bajwa	201911030629	Complete Filing
14	System and method for efficient farming	Manpreet Singh Bajwa	201911030636	Complete Filing
15	Digital retailing system and method	Manpreet Singh Bajwa	202011005789	Complete Filing
16	Automatic ceiling fan cleaning device	Manpreet Singh Bajwa	202011005791	Complete Filing
17	Method to detect human malignantgrowth	Manpreet Singh Bajwa	202011005792	Complete Filing
18	System and method for predicting crimerate	Manpreet Singh Bajwa	201911034739	Complete Filing
19	Multiple language speech conversionsystem andmethod	Manpreet Singh Bajwa	201911034738	Complete Filing
20	Emergency rescue system	Manpreet Singh Bajwa	202011005772	Complete Filing
21	System for providing online charitabledonations	Manpreet Singh Bajwa	202011005776	Complete Filing
22	Ploughing Machine	Manpreet Singh Bajwa	202111019330	Complete Filing
23	Intelligent lighting system	Manpreet Singh Bajwa	202111001686	Complete Filing

24	System and a method for detecting depressive disorders	Manpreet Singh Bajwa	202111024434	Complete Filing
25	A System of Food delivery and order from the customers	Manpreet Singh Bajwa	202111021739	Complete Filing
26	Automated Diabetic Retinopathy Diagnosis Tool	Manpreet Singh Bajwa	202111029124	Complete Filing
27	Smart Water Alarm	Manpreet Singh Bajwa	202211034057	Complete Filing

APPRECIATION:

Awarded with Placement coordinator award in Oct 2019.

Awarded with best teacher award on 5 Sept 2019.

On good academic results dated 11.09.2017 letter no CGC/COE/4145 (955-895)

On good academic result dated 06.03.2017 letter no CGC/COE/1094 97,90,82

On good academic result dated 20.08.2018 letter no CGC COE 4751 100/91

Interests and Activities –

Reading spiritual books, watching movies, writing poems

Personal Information

Name – Manpreet Singh Bajwa
Father's Name – Sardar Sukhdev Singh Bajwa
Mother's Name – Sardarni Baljinder Kaur
Bajwa Mother's Name – Jaspreet Singh
Sister's Name – Dr Jasleen Kaur Garcha
PAN Card – EHCPS8494H
Aadhar Card – 973959984923

Language Known – Punjabi, Hindi, French and English
Marital Status – Married
I affirm that all the information compiled in this document is precise and true to my knowledge.
Place – Jaipur   Date :- 25.04.2024 (Manpreet Singh Bajwa)