

## BIO DATA

**ANJU SOOD**



### **PERMANENT ADDRESS**

Kothi No 29,  
Civil lines Extension  
Near Head Post Office  
Hoshiarpur (PUNJAB)-146001

Telephone: 01882-247699  
Mobile: +91-78370-10666  
+91-94637-75229  
Email: [anjusood36@yahoo.com](mailto:anjusood36@yahoo.com)

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### **PERSONAL INFORMATION**

Name	ANJU SOOD
Husband's Name	Sanjeev Sood
Date of Birth	31-10-1975
Nationality	Indian
Category	General
Language Known	Hindi, English, Punjabi

### **EDUCATIONAL QUALIFICATIONS**

<b>Examination</b>	<b>Board/ University</b>	<b>Marks Obtained</b>	<b>Percentage/ Division</b>	<b>Year of Passing</b>
Matric	PSEB, Mohali	642/800	80.2%, First Division.	1990
+2	PSEB, Mohali	322/450	72%, First Division.	1992
BA (Math honours)	PU Chandigarh	1728/2400	72% , First Division.	1996
MA Mathematics	Himachal Pradesh University, Shimla	755/1200	First Division.	2001
M. Phil. Mathematics	Madurai Kamraj University	262/500	Second Division.	2007
Ph.D. (Registered, Id: 1113002 )	IK Gujaral Punjab Technical University, Kapurthala	Presentation pending		

### **AREA OF RESEARCH**

To study stability of ordinary differential systems experiencing Instantaneous and Non Instantaneous impulses by using Lyapunov Approach.

## PUBLICATIONS IN JOURNALS

Sr. No.	Title	Name of Journal	Vol. & Year	Pages	ISSN No	Indexing
1	Lyapunov Approach for Stability of Integro-Differential Equations with Non Instantaneous Impulse Effect	Malaya Journal of Matematik	Vol. 4, No. 1(2016)	119-125	ISSN: 2319-3786	DOAJ, Zentralblatt fur Mathematik [Zentralblatt MATH ], Germany.
2	On Retention of Eventual Stability of Perturbed Impulsive Differential Systems	Journal of Mathematical and Fundamental Sciences	Vol. 48, No. 1(2016)	1-11	ISSN: 2337-5760 E-ISSN: 2338-5510	Scopus, Google Scholar, Directory of Open Access Journals, Open Science Directory, Index Copernicus,
3	Integral $\Phi_0$ -Stability of Impulsive Differential Equation	Open Journal of Applied Sciences	Vol. 5(2015)	651-660	ISSN: 2165-3917 (Print) ISSN: 2165-3925(Online)	Google Scholar, ISI web of knowledge, Cross Ref. <b>Impact Factor: 0.38 (Google Scholar)</b>
4	On Stability of Differential Systems with Non instantaneous Impulse	Mathematical Problems in Engineering	Vol. 2015, ID 691687	doi:10.1155/2015/691687	ISSN: 1024-123X (Print) ISSN: 1563-5147 (Online),	Scopus, Google Scholar, Math Sci. net, Directory of Open Access Journals <b>Impact Factor: 1.08(Thomson Reuter)</b>
5	$\Psi$ -Eventual Stability of Differential Systems with Impulses	Global Journal of Science Frontier Research: Mathematics & Decision Sciences	Vol. 14, no. 6(2014).	1-8	ISSN: 2249-4626(Online) ISSN: 0975-5896 (Print)	Google Scholar
6	New conditions for stability of solutions of impulsive differential equations	Applied Mathematical Sciences	Vol. 6, no. 86(2012)	4295 - 4300	ISSN: 1312-885X (Print)ISSN: 1314-7552 (Online)	Scopus, Google Scholar, Zentralblatt fur Mathematik (Germany), Cross Ref. <b>Impact Factor: .46</b>
7	Tools Provided by Mathematics in Engineering and other Sciences	Shekhar(New Series) International Journal of Mathematics	Dec. 2009(1)		ISSN: 0976-4445	

**CITATIONS: 8**

### **BOOKS PUBLICATION**

1. First Course in Engineering Mathematics- B.Tech-II,, Ajay Publications(ISBN No. 81-909831-8-0) Dec. 2011. (Dr. Parveen Ailawala, Anju Sood & Sumit Goel)
2. First Course in Engineering Mathematics - B.Tech-I, Ajay Publications(ISBN No. 81-909831-7-2), May 2012. (Dr. Parveen Ailawala, Anju Sood & Sumit Goel)

**PRESENTATION/PUBLICATIONS IN CONFERENCE PROCEEDINGS**

<b>S. No.</b>	<b>Title of the paper Presented and Published</b>	<b>Title of Conference</b>	<b>Organised by</b>	<b>Sponsored By</b>	<b>Date(s)</b>	<b>International/ National</b>
1	$\Psi$ -Eventual Stability of Differential Systems with Variable Impulses pp.170(presented)	The Eighth IMACS International Conference on Non Linear Evolution Equations and Wave Phenomena: Computation and Theory	University of Georgia, Athens, US	The International Association for Mathematics and Computers in Simulation (IMACS), The National Science Foundation (NSF), The University of Georgia (UGA) Research Foundation	March 25-28, 2013	International
2	Retention of Eventual Stability of Invariant Sets of Impulsive Differential Systems(( not presented))	Applied Mathematics, Modeling and Computational Science(AMMCS)-2013	Wilfrid Laurier University, <b>Canada</b>		August 26-30, 2013	International
3	Applications of Stability Theory, pp:57-62 (presented)	Advanced Mathematics and its Application CAMA '11	DAV College Bathinda, Punjab	UGC and National Board of Higher Mathematics(NBHM)	Feb. 25-26, 2011	National
4	New Technology in Mathematics for Engineering other Sciences and Entrepreneurship, pp:298-301(presented)	Exploring Potentials of Women in Engineering	Charotar University of Science & Technology, Gujarat		July 3-4, 2009	National

**WORK EXPERIENCE**

Presently working as Associate Professor in Mathematics and Vice Principal at Rayat Bahra Institute of Management, Hoshiarpur w.e.f. June 2, 2014 till date.

- Worked at as Associate Professor in Mathematics, Head Applied Sciences and Dean academic Affairs at Rayat Bahra College of Engineering and Nano Technology For Women, Hoshiarpur from June 2, 2008 to June 1, 2014.
- Worked as Lecturer in Mathematics at Sant Baba Bhag Singh Institute of Engineering and Technology, Padhiana, Distt. Jalandhar from May 29, 2007 to May 31, 2008.
- Worked as lecturer in mathematics at Sri Guru Har Rai Sahib College For Women, Hoshiarpur from July 5, 2004 to March 16, 2006.

- Worked as lecturer in mathematics at New Public Inter College, Lucknow from April 2002 to March 2003
- Worked as PGT Mathematics at L. P. K. C. C Bijaur, Lucknow from April 1, 2001 to March 2002.
- Worked as Mathematics Teacher at Maharana Pratap Public School, Lucknow from Jan 2000 to March 2001.

### **COURSES TAUGHT**

<b>S. No.</b>	<b>Title of Subject</b>	<b>UG/PG/Sr. secondary/High School/</b>	<b>Number of Time Taught</b>
1	Engineering Mathematics I	UG	7
2	Engineering Mathematics II	UG	6
3	Engineering Mathematics III	UG	3
4	Numerical Methods in Engineering	UG	2
5	Calculus	UG	2
6	Differential Equations	UG	2
7	Quantitative Techniques	PG	3
8	Business Statistics	UG	3
9	Differential Equations	UG	2
10	Algebra	UG	2
11	Real Analysis	UG	2
12	Mathematics	Senior. Secondary School	6
13	Mathematics	High School	2

### **DETAILS OF FDPs/THE SHORT TERM COURSES ORGANISED**

1. Faculty development Programme "Recent Advancements and Applications of Basic Sciences and Vedic Mathematics in Engineering", 26-30 Dec 2011, sponsored by Punjab Technical University, Kapurthala.
2. Faculty development Programme "Recent Tools in research: Matlab, Latex and Evolutionary Algorithms", 02 -06 July, 2012, sponsored by Punjab Technical University, Kapurthala.
3. Awareness Workshop, "National Programme on Technology Enhanced Learning (NPTEL) " A Joint Initiative of IITs and IISc, Sponsored By IIT Madras on September 23, 2013.

### **SEMINARS/SHORT TERM COURSES/SUMMER SCHOOLS/WINTER SCHOOLS ATTENDED**

<b>S. No.</b>	<b>Name of Course/FDP/Seminar</b>	<b>From</b>	<b>To</b>	<b>Organised By</b>	<b>Sponsored By</b>
1	Recent Tools in research: Matlab, Latex and Evolutionary Algorithms	July 2, 2012	July 6, 2012	Rayat Bahra College of Engg. & Nano-Technology for Women, Hoshiarpur	Punjab Technical University, Jalandhar
2	Recent Advancements and Applications of Basic Sciences and Vedic Mathematics in Engineering	Dec. 26, 2011	Dec. 30, 2012	Rayat Bahra College of Engg. & Nano-Technology for Women, Hoshiarpur	Punjab Technical University, Jalandhar
3	Unfoldings of Vedic Mathematics: Significance	April 28, 2011	April 28, 2011	Punjab Technical University	Punjab Technical University, Jalandhar

	and Applications in Modern Sciences				
4	Signals and Systems	June 27, 2010	July 01, 2010	Lovely Professional University, Jalandhar	Punjab Technical University, Jalandhar
5.	Deployment of Six Sigma	Nov. 8, 2008	Nov. 8, 2008	Rayat Bahra College of Engg. & Nano-Technology for Women, Hoshiarpur	

### **AWARDS/RECOGNITIONS**

<b>S. No.</b>	<b>Award</b>
1	ISTE Best Teacher Award 2013
2	First position in District in BA (Mathematics Honours) and awarded with national level scholarship
3	First position in school in +2 and awarded with state level scholarship
4	Distinction in Matric

### **COMPUTER LITERACY/PROFICIENCY**

- Six month Certificate Course in Computer Applications completed in 1998 with grade "A".
- Conversant with working in MS Word , MS Excel and MS Power Point

### **MEMBERSHIP OF PROFESSIONAL BODIES/SOCIETIES**

Life time member of Indian Society for Technical Education (LM:77804)

### **ADMINISTRATIVE RESPONSIBILITIES TAKEN UP**

- Dean and HOD MBA from June 2, 2014 to March 1,2015
- Head Applied Sciences from June 2008 to June 1, 2014
- Dean Academic Affairs from July 1, 2013 to June 1, 2014
- Observer in PTU Examinations for during Nov.-Dec. 2014
- Assistant to Controller PTU Examination Evaluation Centre during Dec. 2012- Jan 2013
- Deputy Supdt. In PTU Examinations Dec 2011-Jan 2012
- Observer in PTU Examinations for during May- June. 2011
- Deputy Supdt. In PTU Examinations Dec 2010-Jan 2011
- Dean Academic Affairs and Time table incharge from Aug. 2009 to Sept. 2012
- Co-ordinator of PTU Sponsored Faculty Development Programme from July 2, 2012 to July 6, 2012

- Co-ordinator of PTU Sponsored Faculty Development Programme from Dec. 26, 2011 to Dec. 30, 2011
- Co-ordinator of Campus Level Cultural Event Committee during Annual Cultural Bonanza in 2010, 2011, 2012

I hereby declare that the above stated information is true to the best of my knowledge.

Anju Sood