

BIO-DATA A.P. Hassan Sardar Mofar

1. **Name** : Dr. Hassan Sardar Mofar

2. **Designation** : Asstt. PROFESSOR (Adhoc from 2006)

3. **Department** : COMPUTER SCIENCE, Punjabi University
Baba Jogipeer Neighbourhood Campus Ralla, Mansa

4. **Date of Birth** : 31.08.1982

5. **Address for Correspondence** : Village Mansa Khurd, Mofar Residence, Khaiaside Post office, Tehsil and Distt, Mansa. (Pb) Phones: 94171-68533 E-mail : urshassu@yahoo.co.in

6. **Permanent Address** : V.P.O. Mofar, dandiwaal patti, Near water works, Jhunir Block, Tehsil Sardulgarh Distt. Mansa (Pb)

7. **Areas of Specialization** : Digital Image Processing in Fruit Quality Analysis and stenography

8. Academic Qualifications:

Sr. No.	Degree Held	Year	Board/University	Subjects Taken
1	Diploma	2002	PSETB MOHALI	Computer
2	B. Tech	2005	Punjab Tech. Uni. Jalandhar	Comp. Sci. & Engg.
3	M.Tech (P.T.)	2010	Punjabi university patila	Comp. Engg.
4	Ph. D	2013	Cmj University shillong	Comp. Sci. & Engg.

9. Details of Experience:

a) Technical Training Experience

- From 11 Jan, 2000 to 10 Feb, 2000 at vardhman polytex ltd. Badal road bathinda (Punjab).
- From 25th Dec 2001 to 25th Jan 2002. at Ralson carbon black ltd. Jitwal distt. Sangrur (Punjab).
- From 1-7-2003 to 5-8-2003 at Ralson carbon black ltd. Jitwal distt. Sangrur (Punjab).
- From 1-07-2k4 to 31-12-2k4 at glide sab ltd sector 8c madhya marg chandigarh

b) Teaching Experience

- Punjabi University BabaJogipeer Neighbourhood Campus Ralla (Mansa) (session 2008 to onward)
- Punjabi University Neighbourhood Campus Karandi (Mansa) 1 year (session 2007 to 2008)
- Punjabi University Neighbourhood Campus Sardulgarh (Mansa) 1 year (session 2006 to 2007)
- At Govt. High School Bajewala (Mansa) 1 month 13 days
- At Engg. Industrial Technical Institute Kanchian, Mansa For 1 year 1 month (Session 2005 to 2006)



10. Job responsibility :

a) Teaching as per Time Table record. and served as youth coordinator, regarding news, member disciple, admission committee.

b) An Individual additional incharge with whole responsibility of campus library at karandi, sardulgarh and Ralla (about 7 years)

11.M. Sc (IT) Students guided : 08 students

12. Invited Talks : 02

13. M.C.A. Students guided (Details): 12 students

Sr. no.	Roll no.	Name	Project Title	Completed year
1	010MCA01	Amandeep Kaur	Mobile Shoppe	2013
2	010MCA09	Suny Thakur	Online Auction	2013
3	011MCA01	Amandeep Kaur	-----	----
4	011MCA02	Amritpal kaur	Food Management System	2014
5	011MCA03	Anjali	Account and contact Management	2014
6	011MCA04	Baljeet kaur	Computer Mart	2014
7	012MCA01	Harpal Kaur	E-Mail Scanning	2015
8	012MCA02	Manu Bala		2015
9	013MCA01	Amandeep Kaur	Online Shopping	2016
10	013MCA0	Navdeep Kaur	Online retail store Analysis	2016
11	014MCA01	Mandeep Kaur	Interior Decoration	2017
12	014MCA05	Pinderpal Kaur		2017

14. List of Papers/Courses taught at P.G. and U.G. Level :

Sr. No.	Course/Paper	Level
1	Data structure , Computer network	M.C.A,PGDCA B.C.A.
2	Computer Architecture	BCA
3	Fundamental of I.T., Computer application in business	BCA, PGDCA, B.COM
4	Html and Dhtml and internet Programming	Msc(IT), PGDCA, BCA
5	DBMS and RDBMS	BCA, MCA
6	Management information system, business Intelligence	PGDCA and MCA

11. Published Work (Please specify numbers only) :

- a. Research Papers i) National = 07 ii) International = 11
- b. Conference/Seminar Presentation/attend = 20/24
- c. Books i) = 01 International level

15. List of Research Papers :

A) NATIONAL/INTERNATIONAL PARTICIPATION & PRESENTATIONS IN CONFERENCE.

1. **Hassan Sardar**, Kamaldeep Kaur “Quality analysis in gray scale using visual appearance by color of a guava fruit” at National conference on Recent Advancements in Computer Science” on January 21 & 22, 2011 organized by department of computer Science at Baba Farid College Bathinda.
2. Kamaldeep Kaur, **Hassan Sardar** “Size and Quality analysis by color using visual appearance of a guava fruit” in International Conference on Communication and computing Technologies”, (U.G.C. Sponsored), organized by P.G. Dept. of Computer Science on February 25-26, 2011 at Apeejay college of fine arts Jalandhar, Punjab, India.

3. **Hassan Sardar**, "Fourth Sarb Bharti Punjabi Conference" on dated 30th April & 1 may ,2011 at Punjabi University Patiala.
4. **Hassan Sardar** "Quality analysis in gray scale using visual appearance of guava fruit with step deviation method in image processing" at National conference on Latest Advancements in Science, Engineering & Research-2011" Sponsored by Punjab Technical University Jalandhar on dated May 26-27, 2011organized by Baba Farid College of Engineering & Technology, Bathinda (Punjab).
5. **Hassan Sardar**, Kamaldeep Kaur and Lekhraj Jindal "Analysis to protect historical and old building using image processing" at National conference on Latest Advancements in Science, Engineering & Research-2011" Sponsored by Punjab Technical University Jalandhar on May 26-27, 2011organized by Baba Farid College of Engineering & Technology, Bathinda.(Punjab).
6. **Hassan Sardar** "Study on data hiding in digital image of stenography" at National conference on Latest Advancements in Science, Engineering & Research-2011" Sponsored by Punjab Technical University Jalandhar on May 26-27, 2011organized by Baba Farid College of Engineering & Technology, Bathinda.
7. **Hassan Sardar**, Kamaldeep Kaur and Lekhraj Jindal "Analysis to diagnose of skin diagnose to treatment by matlab" at National Conference on Advances in Computational Intelligence" on 9 July 2011 Sat Priya Group of Institutions Rohtak, Haryana, India.
8. **Hassan Sardar**, Kamaldeep Kaur and Lekhraj Jindal "Corruption in research area in higher education "U.G.C. Conference on corruption: A Roadblock to National Development" on 9-10 September, 2011 at Nehru Memorial Government College Mansa (Punjab).
9. Kamaldeep Kaur **Hassan Sardar**, "Quality analysis of orange fruit by its external surface color" in 5th international conference on innovate-lead—succeed" On dated Sept.30 & Oct. 1, 2011 organized by Desh Bhagat Institute of management and computer science at Mandi Gobingarh, Punjab, India.
10. **Hassan Sardar**, Kamaldeep Kaur "Teacher Development: A study to develop a training package for professional teacher to act as supervisor", in 5th international conference on innovate-lead—succeed" on dated Sept.30 & Oct. 1, 2011 organized by Desh Bhagat Institute of management and computer science at Mandi Gobingarh, Punjab, India.
11. **Hassan Sardar**, Kamaldeep Kaur "Rural transformation and development. How should India combine its rural heart with urban mind?" in Rural development challenges & opportunities" on dated 17& 18 Nov.2011 at cordial group of institutions, Sanghol Punjab India.

12. Kamaldeep Kaur, **Hassan Sardar**, “India’s on-going transformation from a primarily rural and agricultural society to an urban technological society. In the process, what is gained and what is lost. in Rural development challenges & opportunities” on 17 & 18 Nov.2011 at cordial group of institutions , Sanghol Punjab India
13. **Hassan Sardar**, Kamaldeep Kaur and Lekhraj jindal “A analysis to recognition in medical science for face skin disease using MATLAB” in Recent Advancement & Innovation in Science & Engineering-2012 on 6 & 7 January, 2012 Sponsored by Punjab Technical University Jalandhar and organized by Guru Ram Dass institute of Engineering & Technology , lehra bega (Bathinda) Punjab
14. Kamaldeep Kaur, **Hassan Sardar** “A knowledgbase system for develop information system in organization” in Recent Advancement & Innovation in Science & Engineering-2012 on 6 & 7 January, 2012 Sponsored by Punjab Technical University Jalandhar and organized by Guru Ram Dass institute of Engineering & Technology , lehra bega (Bathinda) Punjab.
15. **Hassan Sardar** “Development of an intelligent guava fruit quality grader” in Recent Advancement & Innovation in Science & Engineering-2012 on 6 & 7 January, 2012 Sponsored by Punjab Technical University Jalandhar and organized by Guru Ram Dass institute of Engineering & Technology , lehra bega (Bathinda) Punjab.
16. **Hassan Sardar** “Fifth Sarb Bharti Punjabi Conference “on 30th April & 1 may ,2012at Punjabi University Patiala.
17. **Hassan Sardar**, "Quality inspection & grading analysis of fruit using image processing (Foods Sciences & Environmental Technologies for Sustainable Global Development)" in international conference on Agriculture foods sciences and environmental technology for sustainable global development(AFSET-2012)on dated 28-29 oct,2012 organized by krishi Sanskriti at Jawaharlal Nehru University(J.N.U.) New Delhi(India).
18. **Hassan Sardar**, participate as important delegate in international Urdu Seminar on the of "MASHAHEER-E-URDU KE EK SADI" on dated 7-8 November 2012, organized by Department of Persian Urdu & Arabic, Punjabi University Patiala.
19. **Hassan Sardar**, “Soft computing & Statical method in quality control of fruits using image processing” in 6th international conference on quality, reliability, infocom Technology and Industrial Technology Management (ICQRITITM 2013) On Nov. 26-28, 2012, organized by Society for Reliability Engineering, Quality & Operation Management (SREQOM), Department of Operational Research, **University of Delhi**, Delhi India and Lulea University of Technology, Sweden.
20. **Hassan Sardar**, “Color Based Quality Analysis of Fruits for Automatic Grading” 7th **International Conference** on Reliability, Infocom Technologies and Optimization (ICRITO 2013) (Trends and Future Directions) January 29-31, 2013 in association with Computer Society of India (CSI), Technically co-Sponsored by **IEEE** Computer

Society India Council and Quality council of India (QCI) at Amity University, Noida sector-125, Uttar Pradesh, India.

21. **Hassan Sardar**, "Analysis study for quality, Intelligent Fruit estimator and Stegnography with common method using image processing in digital image", in international conference on information and Mathematical sciences organized by Baba Farid college of engineering and technology, Bathinda Punjab India on dated 24-26 October, 2013
22. **Hassan Sardar** "Comparative Quality Analysis of berry Fruit Using Image Processing" in International Conference Confluence 2013-"The Next Generation Information Technology Summit Mega Trends of IT - Social, Mobile, Analytics and Cloud at at Amity University, Noida Campus, Uttar Pradesh on 26th - 27th September. 2013.
23. **Hassan Sardar** "Analysis study for fruit quality, intelligent fruit estimator and stegnography with common method using image processing in digital image" Publish by ELSEVIER Science and Technology/ international conference on information and mathematical sciences IMS-2013 24-26 October, 2013 at baba farid college of engineering and technology, bathinda Punjab, on page 48-51.
24. **Hassan Sardar** one day National Seminar on "Punjabi literature in environment of Information Technology : situations and possibilities " on dated 25 march 2017 at Mai bhago degree college (Girls) Ralla, Mansa.

b) **NATIONAL LEVEL PUBLICATION (RESEARCH PAPERS IN PROCEEDING BOOKS)**

1. **Hassan Sardar**, Kamaldeep Kaur and Lekhraj jindal "Analysis to protect historical and old building using image processing-A review" at National conference on Latest Advancements in Science, Engineering & Research-2011" on May 26-27, 2011, sponsored by Punjab technical university Jalandhar and organized by Baba Farid College of Engineering & Technology, Bathinda, published by excel India publisher New. Delhi in Volume II, with ISBN no: 978-93-81361-07-8 on page 100-103
2. **Hassan Sardar** "Quality analysis in gray scale using visual appearance of guava fruit with step deviation method in image processing" at National conference on Latest Advancements in Science, Engineering & Research-2011" on May 26-27, 2011, sponsored by Punjab technical university Jalandhar and organized by Baba Farid College of Engineering & Technology, Bathinda, published by excel India publisher New. Delhi in Volume II, with ISBN no: 978-93-81361-07-8 on page 150-158.
3. **Hassan Sardar** "Study on data hiding in digital image of stenography" at National conference on Latest Advancements in Science, Engineering & Research-2011" on May 26-27, 2011, sponsored by Punjab technical university Jalandhar and organized by Baba Farid College of Engineering & Technology, Bathinda, published by excel India publisher New. Delhi in Volume II, with ISBN no: 978-93-81361-07-8 on page 171-174.

4. **Hassan Sardar**, Kamaldeep Kaur and Lekhraj jindal “A Analysis to Diagnose of Skin Disease to Treatment using MATLAB” at National conference on Advances in Computational Intelligence, NCACI-11. July,2011, organized by Sat priya of Institutions, 0.5 Mile stone, Rohtak-124001(Haryana). Research Publication with ISBN no: 978-981-08-9248-7 on page 413-416
5. **Hassan Sardar**, Lekhraj Jindal and Kamaldeep kaur, “A analysis to recognition in medical science for face skin disease using MATLAB” at National conference on Recent Advancements & Innovation in Science & Engineering (RAISE-2012) on 6th & 7th January, 2012 sponsored by Punjab technical university Jalandhar and organized by Guru Ram Dass institute of Engineering & Technology , Lehra bega (Bathinda) Punjab. published by Excellent Publishing House New Delhi in Volume-2 with ISBN no. 978-93-81583-16-6 on page no.227-230
6. Kamaldeep kaur, **Hassan Sardar** “A knowledgebase system for develop information system in organization” at National conference on Recent Advancements & Innovation in Science & Engineering (RAISE-2012) on 6th & 7th January, 2012 sponsored by Punjab technical university Jalandhar and organized by Guru Ram Dass institute of Engineering & Technology , Lehra bega (Bathinda) Punjab, Published by Excellent Publishing House New Delhi in Volume-2 with ISBN no. 978-93-81583-16-6 on page no. 231-234
7. **Hassan Sardar** “Development of an intelligent guava fruit quality grader” at National conference on Recent Advancements & Innovation in Science & Engineering (RAISE-2012) on 6th & 7th January, 2012 sponsored by Punjab technical university Jalandhar and organized by Guru Ram Dass institute of Engineering & Technology , Lehra bega (Bathinda) Punjab. published by Excellent Publishing House New Delhi in Volume-2 with ISBN no. 978-93-81583-16-6 on page no. 235-240.

C) INTERNATIONAL LEVEL PUBLICATION (RESEARCH PAPERS IN JOURNALS)

1. **Hassan Sardar** “Quality Analysis in grayscale color using visual appearance of a guava fruit.” in Research cell an international journal of engineering sciences. With ISSN: 2229-6913 on page no. 46-56. [Published through the National conference on Recent Advancements in Computer Science” on January 21 & 22, 2011 organized by department of computer Science at Baba Farid College Bathinda]
2. **Hassan Sardar** “Size and Quality analysis by color using visual appearance of guava fruit” in APEEJAY Journal on computer Science and application, with ISSN:0974-5742 on page no.69-76
[Published through International Conference on Communication and computing Technologies”, (U.G.C. Sponsored), organized by P.G. Dept. of Computer Science on February 25-26, 2011 at Apeejay college of fine arts Jalandhar, Punjab, India]

3. **Hassan Sardar** “Development of an intelligent guava fruit quality grader” in international journal of research in computer science, Published by White Globe Publication Ludhiana Punjab, India with ISSN: 2249-8257 (special issue Dec, 2011) on page no 23-28.

[Published as best paper through Recent Advancement & Innovation in Science & Engineering-2012 on 6 & 7 January, 2012 at Guru Ram Dass institute of Engineering & Technology, lehra bega (Bathinda)

4. **Hassan Sardar**, "Quality inspection & grading analysis of fruit using image processing (Foods Sciences & Environmental Technologies for Sustainable Global Development) in international journal of agriculture & food science technology , published by research publication, Rohini ector-16 Delhi, in special issue Volume3, Number 3(2012) with ISSN no.2249-3050 on page no.176-179.

[Published through International conference on Agriculture foods sciences and environmental technology for sustainable global development (AFSET-2012) dated 28-29 Oct, 2012 organized by Krishi Sanskrit at Jawaharlal Nehru University(J.N.U.) New Delhi(India)]

5. **Hassan Sardar** “A role of computer system for comparative analysis using image processing to promote agriculture business. International Journal of Engineering Research & Technology (IJERT) Vol. 1 Issue 9, November- 2012 ISSN: 2278-0181.

6. **Hassan Sardar**, “Soft computing & Statical method in quality control of fruits using image processing” in 6th international conference on quality, reliability, infocom Technology and Industrial Technology Management (ICQRITITM 2012) On Nov. 26-28, 2012, organized by Society for Reliability Engineering, Quality & Operation Management (SREQOM), Department of Operational Research, **University of Delhi**, Delhi India and Lulea University of Technology, Sweden. [under process for Publication]

7. **Hassan Sardar** “A Computer vision system to quality analysis of fruit for comparative analysis” International journal of latest technology in engineering Management & Applied Science Volume-I/Issue X/Dec 2012 /84-88 ISSN 2278 – 2540.

[Published through 3rd International conference of Advancement of Engineering held on December 26th, 2012 at hotel Windsor, Chandigarh, India]

8. **Hassan Sardar** “Fruit quality estimation by color for grading” in International journal of modeling and optimization IJMO 2014 DOI: 10.7763/IJMO.2014.V4.344 Vol4(1): 38-42, with ISSN 2010-3697 [Updated and Permoted Paper through International Conference on Reliability, Infocom Technologies and Optimization (ICRITO 2013) (Trends and Future Directions) January 29-31, 2013 at Amity University, Noida sector-125, Uttar Pradesh, India]

D) INTERNATIONAL LEVEL PUBLICATION (RESEARCH PAPERS IN CONFERENCE PROCEEDING BOOKS)

1. **Hassan Sardar**, "Analysis study for quality, intelligent fruit estimator and Stegnography with common method using image processing in digital image", in international conference on information and Mathematical sciences IMS-2013, sponsored by Punjab Technical University, Department of Science and Technology, Indian National Science Academy, Council of Scientific and industrial research, Indian Society for technical education and Indian society of information theory & application and organized by *Baba Farid college of engineering and technology, Bathinda Punjab India on 24-26 October, 2013 published by Elsevier Science and Technology with ISBN no: 978-93-5107-162-4.*
2. **Hassan Sardar** "Color Based Quality Analysis of Fruits for Automatic Grading" 7th **International Conference** on Reliability, Infocom Technologies and Optimization (ICRITO 2013) (Trends and Future Directions) January 29-31, 2013 in association with Computer Society of India (CSI), Technically co-Sponsored by **IEEE** Computer Society India Council and Quality council of India (QCI)at Amity University, Noida sector-125, Uttar Pradesh, India,published by Excellent Publishing House, vasant kunj, New Delhi with issn 978-93-81583-85-2 on page no. 190-197.
3. **Hassan Sardar** "Comparative Quality Analysis of Berry Fruit using Image Processing" in IET Digital Library (www.theiet.org) DIO: 10.1049/cp.2013.2339 ith ISBN978-1-84919-846-2[Published through, Confluence 2013:The Next Generation Information Technology Summit (4th international Conference) organized by Department of computer science and engineering & Department of information technology, 26-27, September, 2013 at Amity University, Noida sector-125, Uttar Pradesh, India]

16 Book Publication (International level):

1. "Quality analysis of guava fruit using visual appearance. (a new approach of computer technology is used in food engineering & agriculture)" Lambert Academic Publishing Germany in 2011with ISSN: 978-3-8473-3242-8

17 Orientation Course :

1. Attended UGC-SPONSERED 12th Orientation programme from 03-05-2012 to 30-05-2012 and obtained grade "A" held at University Grants Commission Academic Staff College, Punjabi University Patiala

18 Workshop:

1. National Workshop on "Computer Science and Technology" at Punjabi University Guru Kashi College, Damdma Shaib, Bathinda dated 21st Oct. 2015