

## Computer Section

### CCS Haryana Agricultural University, Hisar

|   |  |   |
|---|--|---|
| 1 | <b>Year of Establishment</b>                                 | 1979  |
| 2 | <b>Names of the Chairman/Incharge</b>                        | Dr. O.P. Sheoran  |
| 3 | <b>Address of the Section</b>                                | Computer Section, College of Basic Sciences & Humanities, CCS HAU, Hisar  |
| 4 | <b>Telephone No. with STD code</b>                           | 01662-255290  |
| 5 | <b>Official E-mail ID</b>                                    | <a href="mailto:web@hau.ernet.in">web@hau.ernet.in</a> , <a href="mailto:opsheoran@hau.ernet.in">opsheoran@hau.ernet.in</a>   |
| 6 | <b>Name of the faculty</b>                                   | 1 Dr O P Sheoran Assoc. Professor<br>2 Mr R N Sheokand Assistant Professor  |
| 7 | <b>Innovative processes adopted in teaching and learning</b> | Use of ICT in teaching and learning   |
| 8 | <b>Thrust areas</b>  | <ul style="list-style-type: none"> <li>• UG and PG teaching of computer courses</li> <li>• Maintenance of campus wide area network</li> <li>• Providing internet/wi-fi connectivity to the University campus</li> <li>• Statistical Data Analysis using SPSS, SAS, Indostat and in-house developed online statistical analysis software OPSTAT.</li> <li>• Statistical guidance for students</li> <li>• Need based computer trainings for faculty/students</li> <li>• Need based software development.</li> <li>• Implementation of state government initiatives regarding digitalization such as Aadhar Enabled Biometric Attendance System (AEBAS), Centralized File Movement and Tracking Information System (CFMS), Public Financial Management System (PFMS)</li> <li>• Implementation and maintenance of Anti-Plagiarism software (Turnitin)</li> </ul> |
| 9 | <b>Brief about the Section</b>                               | <ul style="list-style-type: none"> <li>• The Computer Centre was established in 1979. The administrative control is with the Dean, College of Basic Sciences &amp; Humanities. The Centre is located in the College of Basic Sciences &amp; Humanities building with a total covered area of aprox. 10,000 sq. ft. It has 8 rooms (seminar room,</li> </ul>   |

staff room, in-charge's room, software development lab, server and switch room, Network Lab, Teaching lab etc.). The Computer Section has at present more than 60 desktop PCs and 6 printers for the use of students, faculty and staff. Three HP Prolent DL580 G5 and two Xseries 235 IBM servers running Linux and Windows 2008 operating system is being used for web server, application server and radius server.

- The installation of Campus-wide GIGABIT Network is implemented by this section with funds from AHRD project. The Campus wide network spread over more than 18 K.M. through fiber optic cables and is providing Internet facility to the stakeholder though 1 GBPS (Shared) leased line provided by National Knowledge Network (NKN). A firewall (Cyberoam) has been installed to ensure the internet security.
- The computer section currently providing the **Wi-Fi** facility to the students at their hostels as well as at colleges/offices for the stakeholders. The computer section has been catering the needs of students and researchers for their data analysis though SPSS/SAS/Indostat/OPSTAT etc.

### 10 Infrastructure (Building)

| Facilities                      | Number | Source of funds |
|---------------------------------|--------|-----------------|
| Class rooms with ICT facility   | 1      | State           |
| No. of Computer labs            | 2      | State/ICAR      |
| No. of Rooms for faculty/ staff | 5      | State           |
| No. of Toilets (Working)        | 2      | State           |

### 11 Infrastructure (Laboratory Equipments)

|               |  |
|---------------|--|
| Servers (5)   | 1. HP Prolaint DL580G5 (1) (Web Server)<br>2. HP Prolaint DL580G4(2) (Application Server)<br>3. IBM Server Xseries 235 (2) (Radius Server and Spam Server) |
| Firewall      | Cyberoam CR1500ia 10.6.5   |
| Controllers   | WLC2800 Juniper Make (2)   |
| Router        | Juniper Make (1)   |
| Core Switches | QFX5100 Juniper Make (3)   |

|                                      |   |
|--------------------------------------|---|
| Network Switches (PoE) for w-ifi     | Ex3300 Juniper Make (18)  |
| Network Switches for LAN             | 75 (Entrasys, DLink and HP)   |
| Access Points (Wi-fi)                | Juniper Make (190)  |
| Network access points                | 1400 Approximately  |
| Desktop Computers for Labs and staff | 60  |
| UPS                                  | a. 5 KVA Vinitec Make (5)<br>b. 3 KVA Vinitec (1) and APC (1)<br>c. 2 KVA Tata Libert(1)<br>d. 2 KVA Vinitec (2) Out of order |

## 12 Salient Achievements

- 1 Implemented National Knowledge Network Programme in the University, a GOI scheme to connect all the Universities and Colleges through high speed 1 Gbps network/internet
- 2 Provided IT support to all the faculty members, employees and students which includes training programmes under computer literacy mission on the Campus
- 3 Implemented university wide network and providing internet connectivity to the stakeholders .WiFi connectivity has been provided and maintained in the hostels and colleges /offices of the university.
- 4 In order to cater scientific community for their statistical data analysis work, Online Statistical Analysis Software named OPSTAT was developed. This tool has been upgraded with new and demanding modules in every year.
- 5 Implemented the centralized salary module of CCS HAU
- 6 A Software Package of Mating Design have been developed in collaboration with department of Mathematics and Statistics. This software has been copyrighted by National Research Development Corporation (NRDC), New Delhi.
- 7 Implemented the Aadhar Enabled Bio-metric Attendance System (AEBAS).
- 8 Implemented the Anti-Plagiarism cloud based software, Centralized File Tracking and Monitoring System (CFMS) and Public Financial Management System (PFMS) in the University.
9. Organized Refresher Course on Computer Application for Scientists of SAU's in collaboration with AAREM, Directorate of Human Resource Management every year.
10. Organized Four Short Training on Statistical Data Analysis for PG students in collaboration with Directorate of Student Welfare.

## 13 Teaching Programme (UG)

|    | Course No.                 | Title                   | Cr. Hrs | Teacher(s)  |
|----|----------------------------|-------------------------|---------|-------------|
| i) | Comp-21 (COA) Two Sections | Computer Technique- III | 0+2     | O P Sheoran |

|      |   |                                      |     |              |
|------|---|--------------------------------------|-----|--------------|
| ii)  | Comp-21 (COHS) Two Sections                         | Computer Technique- III              | 0+2 | R N Sheokand |
| iii) | Comp-101 (COA) (1 <sup>st</sup> year 4 year)<br>RNT | Introductory Computer<br>Application | 1+1 | R N Sheokand |
| iv)  | Comp-22 (COA) Two Sections                          | Computer Techniques IV               | 0+3 | O.P. Sheoran |
| v)   | Comp-22 (COHS) Two Sections                         | Computer Techniques IV               | 0+3 | O.P. Sheoran |
| vi)  | Comp 100 (Six Pr. Groups)                           | Computer Applications                | 0+2 | R N Sheokand |

**Teaching Programme (PG)**

|      | Course No. | Title   | Cr. Hrs | Teacher(s)    |
|------|------------|---|---------|---------------|
| i)   | Comp 501   | Computer Programming in<br>Statistical Research | 2+1     | O P Sheoran   |
| ii)  | Comp 502   | Computer Fundamentals                           | 1+2     | R N Sheokand  |
| iii) | Comp 503   | Computer Programming through<br>'C'             | 2+1     | O.P. Sheoran  |
| iv)  | Comp 504   | Scientific Data Processing                      | 1+2     | R.N. Sheokand |

## 14 Training Programmes Organised:

**Three** Refresher course on "Advances in Computer Application" in Collaboration with Academy of Agricultural Research and Education Management, DHRM and Computer Section, COBS&H in the year 2014, 2015 and 2016.

**Two** training organised on "Short Training on Statistical Analysis for Research Scholar" in collaboration with Directorate Student Welfare and Computer Section the year 2016-17

**One** training organised on "Advanced Excel Skills" for MBA Students in collaboration with Directorate Student Welfare and Computer Section the year 2017-18

**One** training organised on "Short Training on Statistical Analysis for Research Scholar" in collaboration with Directorate Student Welfare and Computer Section the year 2017-18

Short Training on Statistical Data Analysis for Research Scholar (3) & Advanced Excel Skills (1)



**15. Faculty Profile (Details of faculty data)**

| Name of Faculty Member | Designation                    | Employment type (Regular/Guest/Temporary etc.) | Specialization  | Experience (No. of years) | Qualification                                | State/Country from which acquired Graduation | No. of research papers published | Cat.(SC/ST/OBC/Any other) |
|------------------------|--------------------------------|--|---|---------------------------|--|--|----------------------------------|---------------------------|
| Dr. O.P. Sheoran       | Associate Professor            | Regular  | Statistical programming & multivariate & genetical statistics | 25                        | Ph.D   | Haryana                                      | 30                               | Gen                       |
| Mr. R.N. Sheokand      | Assistant Professor (Stage II) | Regular  | DBMS, Statistical Analysis                                    | 21                        | MSc (Stat.), MSc (Computer Sci.), MPhil, NET | Haryana                                      | 29                               | Gen                       |

**16 Summary of faculty strength**

|                                  |           | Faculty Position (in same year) | Assistant Prof. | Associate Prof. | Prof. | Others | Total |
|----------------------------------|-----------|---------------------------------|-----------------|-----------------|-------|--------|-------|
| Scheme:-551/T-4 Agri (B) - State | Regular   | Sanctioned                      | 3               | -               | -     | -      | 3     |
|                                  |           | In Position                     | 2               | -               | -     | -      | 2     |
|                                  | Temporary | In position                     | -               | -               | -     | -      | -     |

**17 Publication during the academic year**

| S. No. | Research Publication ( 2012-17)   | NAAS Rating/ Impact Factor |
|--------|---|----------------------------|
| 1.     | Sheoran O P, Rai Lajpat, Saxena K K (2012) Structural Equation Modelling with latent variables for assessment of agricultural development of Haryana State. <i>International Journal of Agric. and Statistical Sciences</i> ; <b>8(2)</b> : 415-431.  | 5.13                       |
| 2.     | Sheoran, Rai Lajpat, Sheokand R N, Singh Balbir and Hasija R C(2012) Significance of Change in Sectoral Development in Haryana – An Inter-tehsil Temporal Analysis. <i>Annals of Agri-Bio Research</i> ; <b>17(1)</b> : 67-74.  | 3.97                       |
| 3.     | Ghanghas B S, Yadav Krishan, Hooda R S and Sheokand R N (2013) Information drawn from different communication sources by extension personnel and farmers, <i>Annals of Agri-Bio Research</i> ; <b>18(1)</b> : 106-109.  | 3.97                       |
| 4.     | Khatak Sunita, Dhillon S, Yadav O P, Grewal Anita and Sheokand R N (2013) Agro-morphological and RAPD marker based characterization of genetic diversity in different genotypes of <i>Withania Somnifera</i> L Dunal; <i>International Journal of Bio Technology and Research (IJBTR)</i> ; Vol <b>3(4)</b> : 1-16. | 3.80                       |
| 5.     | Kumar Y, Lamba R A S, Verma S R and Ram Niwas (2013) Genetic variability for yields and its components in Barley ( <i>Hordeum vulgare</i> L.); <i>Forage Research</i> ; <b>39(2)</b> : 67-70.   | 4.48                       |
| 6.     | Pawan Kumar, Ramesh Kumar Yadava, Babita Gollen and Sheoran O P (2013) Gene effect for different traits of spike morphology in wheat ( <i>Triticum aestivum</i> ). <i>Indian Journal of Agricultural Sciences</i> ; <b>83(7)</b> : 748-57.  | 6.17                       |
| 7.     | Sheokand R N and Singh Surender (2013) Web based initiatives for Climate Resilient Farming; <i>Journal of agrometeorology</i> ; Vol. <b>15(1)</b> : 217-19.   | 6.36                       |
| 8.     | Sheoran O P, Rai Lajpat, Singh Balbir, Singh Parminder and Hasija R C (2013) Identification of Level of Regional Development in Haryana : An Inter-district Statistical Analysis. <i>Annals of Biology</i> ; <b>29(1)</b> : 93-99.  | 4.08                       |
| 9.     | Sheoran Parvender, Sardana Virender, Singh Sher, Sheoran O P and Raj Dev (2013) Optimizing sulphur application in sunflower ( <i>Helianthus annuus</i> ) under irrigated semi-arid tropical condition. <i>Indian Journal of Agronomy</i> ; <b>58(3)</b> : 384-  | 5.46                       |



- 390.
10. Sheoran Parvinder, Sheoran O P and Sardana Virender (2013) Modeling Sunflower Productivity and Profitability in Relation to Adequate and Limited Sulphur Availability under Semi Irrigated Condition. *International Journal of Agronomy*; Vol. Article ID 738263 m 4 pages. -
  11. Singh G, Singh S and Sheoran O P (2013). Inheritance of Mungbean Yellow Mosaic Virus (MYMV) Resistance in Mungbean [*Vigna radiate* (L.) Wilczek]. *Legume Research*; **36(2)** : 131-137. 6.15
  12. Chaudhary Mahesh, Beniwal B S, Dalal R P S and Ram Niwas (2014) Path coefficient analysis studies in marigold (*Tagetes Species*); *Annals of Biology*; **30 (2)** : 375-375. 2.98
  13. Dalal V, Dhillon R S and Sheokand R N (2014) Penology and breeding System of *Jatropha curcas*; *Environment & Ecology*; **32 (2)** : 444-449. 4.09
  14. Dhillon R S, Saharan R P, Jattan M and Sheokand R N (2014) Molecular Characterization of induced mutagenesis through gamma radiation using RAPD markers in *Jatropha Curcas L*, *African Journal of Biotechnology*; Vol **13(7)** : 806-813. -
  15. Dhillon R S, Rani T, Beniwal R S, Bangarwa K S, Sheokand R N and Dalal V (2015) Molecular Evaluation of Poplar Clones using RAPD Markers; *Environment & Ecology*; **34 (2)** : 526-530. 4.09
  16. Kumar Anil, Hooda Virender Singh, Vijya Rani, Mukesh S, Sheokand R N and Singh Ajit (2015) Evaluation of alternative tillage and crop establishment methods in rice (*Oryza sativa*) cultivation; *Indian Journal of Agricultural Sciences*; **85(8)** : 1109-13. 6.18
  17. Sheokand R N and Vinay (2015) A Comparative Study of Content Management Systems : Joomla, Drupal and Wordpress; *International Journal of Advance Research In Science And Engineering, IJARSE*, Vol. No.**4(1)** : 176-78. 2.83
  18. Sheoran O P, Rai Lajpat and Saxena K K (2015) Estimation of structural equation models through K-means cluster approach – An application for assessing socio-economic development in Haryana. *International Research Journal of Mathematics, Engineering & IT*; **2(2)** : 11-24. 5.489
  19. Vinay and Sheokand R N (2015) Study of Content Management System :Joomla; *International Journal of Advance Research In Science And Engineering, IJARSE*, Vol. No.**4(1)** : 184-190. 2.83
  20. Yadav Krishan, Sheoran O P, Chahal Pardeep Kumar and Hudda R S (2015) Access, Awareness and usage of internet by public relations professionals: Comparative Group Analysis of Haryana and Himachal Pradesh Governments. *International Research Journal of Mathematics, Engineering & IT*. **2(3)** :1-8. 5.489
  21. Yadav Krishan, Sheoran O P, Chahal Pardeep Kumar and Hudda R S (2015) Impact of On-Line and Off-Line public relations tools in crisis communication management: A Comparative Study of Haryana and Himachal Pradesh 5.779




|     |   |      |
|-----|---|------|
|     | governments. <i>GE-International Journal of Management Research</i> . <b>3(3)</b> : 276-283.  |      |
| 22. | Bhardwaj K K, Dhillon R S, Godara A S, Bangarwa K S, Sushil Kumari and Sheokand R N (2016) Effect of different Spacing of Poplar based Agroforestry System on Soil Chemical Properties and Nutrient Status in North-West India; <i>Indian Journal of Ecology</i> ; <b>43 (1)</b> : 312-17.  | 4.47 |
| 23. | Bhardwaj K K, Dhillon R S, Godara A S, Bangarwa K S, Sushil Kumari and Sheokand R N (2016) Nutrient Status and Soil Chemical Properties under Different Spacings of Eucalyptus Based Agroforestry Systems in Semi-arid Ecosystem of India; <i>Indian Journal of Ecology</i> ; <b>43 (2)</b> : 756-60.                                     | 4.47 |
| 24. | Dhillon R S, Bhardwaj K K, Beniwal R S, Bangarwa K S, Sushil Kumari and Sheokand R N (2016). Performance of Wheat as intercrop under different Spacing of Poplar Plantations in Semi-Arid Ecosystem of North India; ; <i>Indian Journal of Ecology</i> ; <b>43 (Special Issue-1)</b> : 323-327.   | 4.47 |
| 25. | Malik Urmila, Sunita, Ram Niwas and Bansal Indu (2016) Relationship between self concept of working and non working children with their temperament; <i>Global Academic Research Journal</i> ; Vol- <b>4(2)</b> ; 58-67.  | 5.56 |
| 26. | Manoj Kumar, Bhatnagar S, Singh B K and Sheoran O P (2016) Estimation of population mean using median as auxiliary variable. <i>International Journal Agricult. Stat. Sci.</i> ; <b>12(1)</b> : 83-87.  | 5.13 |
| 27. | Phougat Divya , Godara Anuradha, Sethi S K and Sheokand R N (2016) Genetic diversity and association studies for grain yield and its attributing traits in Tetraploid Wheat ( <i>T. Turgidum</i> subsps. <i>Durum</i> ) <i>The Bioscan – The International Quarterly Journal of Life Sciences</i> ; <b>11(4)</b> : 3015-3019.             | 5.26 |
| 28. | Sheoran S, Beniwal B S, Dudi O P, Sheoran O P and Dalal R P S (2016). Effect of nitrogen and spacing on flower yield and bulb production of Tuberose cv. Prajwal. <i>Annals of Agri-Bio Research</i> ; <b>21(2)</b> : 155-159.  | 4.08 |
| 29. | Deswal Sumit, Malik T P, Tehlan S K, Yadav Preeti and Sheokand R N (2017) Characterization and evaluation of fennel ( <i>Foeniculum vulgare L.</i> ) germplasm; <i>Green Farming Int. Journal - International Journal of Applied Agricultural &amp; Horticultural</i> ; Vol. <b>8 (3)</b> : 753-755.                                      | 4.38 |
| 30. | Dhillon R S, Bangarwa K S, Beniwal R S, Bhardwaj K K, Handa A K, Kumari Sushil, Chavan S B, Rizvi R H, Sirohi Chhavi and Sheokand R N (2017). Effect of spacing on crop yield and soil nutrient status under poplar based agroforestry systems in semi-arid ecosystem; <i>Indian Journal of Agroforestry</i> ; Vol <b>19 (1)</b> : 42-47. | 4.53 |
| 31. | Rani M., Sheoran O P, Sheoran R K, and Chander S (2017) Genetic Variability, Character Association and Path Analysis for Agronomic Traits in Sunflower ( <i>Helianthus annuus L.</i> ). <i>Annals of Agri Bio Research</i> ; <b>22(1)</b> : 31-35.  | 3.97 |
| 32. | Rani, M, Sheoran O P, Sheoran R K, Jambholkar S and Chander S (2017) Studies on Genetic Variability and Interrelationship of Seed Yield and Quality Traits in Germplasm Collection of Sunflower ( <i>Helianthus annuus L.</i> ). <i>Annals of Biology</i> ; <b>33(1)</b> : 82-85.   | 4.08 |

**Objectives of the Section**

- To impart quality education to the UG and PG students of the University and to develop human resource specialized in various aspects of Computer Science.
- Providing Data Analysis facility using SPSS/SAS/Indostat/OPSTAT and statistical guidance to researchers.
- Development of need based data analysis and other software.
- Designed and maintenance university website.
- To provide internet facilities and maintain campus wide network at the university level. Providing Wi-Fi connectivity in all the hostels and colleges/offices of the University.

| <b>Faculty Profile</b>  |   |                     |                                       |                     |   |
|---|---|---------------------|---------------------------------------|---------------------|---|
|    | <b>Name and affiliation:</b> O.P. Sheoran, Associate Professor & In-charge,<br>Computer Section, College of Basic Sciences and Humanities |                     |                                       |                     |  |
|   | <b>Highest qualification:</b> PhD.  |                     |                                       |                     |   |
|   | <b>Specialization (areas of research) :</b> Statistical Programming, Genetical<br>Statistics, Multivariate Analysis                       |                     |                                       |                     |   |
| <b>Thrust area(s) (areas of research):</b> Software Development   |   |                     |                                       |                     |   |
| <b>Number of courses taught:</b> UG: 04 PG: 03  |   |                     |                                       |                     |   |
| <b>Contact hours taught (till date):</b> 393  |   |                     |                                       |                     |   |
| <b>Number of students guided /being guided*:</b><br>M.Sc.: 6 Ph.D.: NIL   |   |                     |                                       |                     |   |
| <b>Projects in hand:</b>  |   |                     |                                       |                     |   |
| 1. Digitization of University   |   |                     |                                       |                     |   |
| 2. Implementation of Aadhar Enabled Biometric Attendance System   |   |                     |                                       |                     |   |
| 3. Implementation of File Tracking system   |   |                     |                                       |                     |   |
| 4. Implementation of Wi-Fi facility of CCS HAU  |   |                     |                                       |                     |   |
| <b>Projects completed (No.) with funding agency:</b><br>ICAR funded 1   |   |                     |                                       |                     |   |
| <b>Publications (number only)</b>   |   |                     |                                       |                     |   |
| Books (ISBN No.)  | -   | Booklets/leaflets   | -                                     | Oral presentations  | -   |
| Research papers   | 30  | Technical Bulletins | -                                     | TV/Radio talks      | 01  |
| Review Articles   | 01  | Proceedings         | 03                                    | Conference Attended | 02  |
| Manuals   | 04  | Extension articles  | 01                                    | Abstracts           | 08  |
| Book Chapters   | 03  | Online publications | -                                     | Training lectures   | 29  |
| <b>Best five publications :</b>   |   |                     |                                       |                     |   |
| 1. <b>O.P. Sheoran</b> , D.S. Tonk, L.S. Kaushik, R.C. Hasija and R.S. Pannu (1998). Statistical Software Package for Agricultural Research Workers. Recent Advances in Information Theory, Statistics and Computer Applications edited by D.S. Hooda and R.C. Hasija : 139-143.                    |   |                     |                                       |                     |   |
| 2. <b>O.P. Sheoran</b> (2006). Online Statistical Analysis Tool (OPSTAT). <a href="http://hau.ernet.in/opstat.html">http://hau.ernet.in/opstat.html</a>   |   |                     |                                       |                     |   |
| 3. <b>O.P. Sheoran</b> , Lajpat Rai, R.N. Sheokand, Balbir Singh and R.C. Hasija (2012). Significance of Change in Sectoral Development in Haryana – An Inter-tehsil Temporal Analysis. <i>Annals of Agri-Bio Research</i> <b>17(1)</b> : 67-74.  |   |                     |                                       |                     |   |
| 4. <b>O.P. Sheoran</b> , Lajpat Rai, K.K. Saxena (2012). Structural Equation Modelling with latent variables for assessment of agricultural development of Haryana State. <i>Int. J. of Agric. and Statistical Sciences</i> <b>8(2)</b> : 415-431.  |   |                     |                                       |                     |   |
| 5. <b>O.P. Sheoran</b> , Lajpat Rai, Balbir Singh, Parminder Singh and R.C. Hasija (2013). Identification of Level of Regional Development in Haryana : An Inter-district Statistical Analysis. <i>Annals of Biology</i> <b>29(1)</b> : 93-99.  |   |                     |                                       |                     |   |
| <b>Significant achievements: awards, varieties, patents, registration of elite material etc.</b>  |   |                     |                                       |                     |   |
| V.D. Kashyap Gold Medal (2011-12)   | Statistical Package for mating design (copyright)   |                     |                                       |                     |   |
| 1. Software package “ <b>Statistical Package for Mating Designs (SPMD)</b> ” has been copyrighted by National Research and Development Council (NRDC), New Delhi.   |   |                     |                                       |                     |   |
| 2. <b>Online Statistical Analysis tools (OPSTAT)</b> : In order to cater the agricultural scientific community for their statistical analysis work, an online statistical analysis tools named <b>OPSTAT</b> have been developed. Till now this tool has been accessed by more than 1,14,000 users. |   |                     |                                       |                     |   |
| 3. Automation of university functioning for the offices of Comptroller (GUC, Budget, AUC, CPF/GPF); Registrar (Human resource database, Entrance Examination), XEN-elect. (Electricity bills, telephone bills), GUI salary Package for CCS HAU's employees  |   |                     |                                       |                     |   |
| <b>Web page if any:</b> <a href="http://www.hau.ernet.in/opstat">http://www.hau.ernet.in/opstat</a>   |   |                     | <b>Last Updated:</b> October,06, 2017 |                     |   |

| <b>Faculty Profile</b>  |   |                     |    |                                       |    |
|---|---|---------------------|----|---------------------------------------|----|
|    | <b>Name and affiliation:</b> R.N. Sheokand, Assistant Professor (CS),<br>Computer Section, College of Basic Sciences and Humanities |                     |    |                                       |    |
|   | <b>Highest qualification:</b> MSc (Stat), MSc (Comp Sci.) MPhil, NET  |                     |    |                                       |    |
|   | <b>Specialization (areas of research) :</b> DBMS, Web Designing and Statistical Analysis  |                     |    |                                       |    |
| <b>Thrust area(s) (areas of research):</b> Software Development   |   |                     |    |                                       |    |
| <b>Number of courses taught:</b> UG: 06      PG: 02   |   |                     |    |                                       |    |
| <b>Contact hours taught (till date):</b> 345  |   |                     |    |                                       |    |
| <b>Number of students guided /being guided*:</b><br>M.Sc.: NIL    Ph.D.: NIL  |   |                     |    |                                       |    |
| <b>Projects in hand:</b>  |   |                     |    |                                       |    |
| 1. Statistical Analysis of Research Scholars & Scientists   |   |                     |    |                                       |    |
| 2. Web Designing & Maintenance  |   |                     |    |                                       |    |
| 3. Digitization work  |   |                     |    |                                       |    |
| 4. Database Admin.  |   |                     |    |                                       |    |
| <b>Projects completed (No.) with funding agency:</b>  |   |                     |    |                                       |    |
| ICAR funded : NIL   |   |                     |    |                                       |    |
| <b>Publications (number only)</b>   |   |                     |    |                                       |    |
| Books (ISBN No.)  | -   | Booklets/leaflets   | -  | Oral presentations                    | -  |
| Research papers   | 28  | Technical Bulletins | -  | TV/Radio talks                        | -  |
| Review Articles   | 01  | Proceedings         | 02 | Conference Attended                   | 02 |
| Manuals   | 04  | Extension articles  | -  | Abstracts                             | 13 |
| Book Chapters   | -   | Online publications | -  | Training lectures                     | 75 |
| <b>Best five publications :</b>   |   |                     |    |                                       |    |
| 1. <b>Ram Niwas</b> and B. D. Mehta, (1997), Latin Square Type Row-Column Designs, Calcutta Statistical Association Bulletin, 47: 185-186.  |   |                     |    |                                       |    |
| 2. <b>Sheokand R N</b> and Singh Surender (2013) Web based initiatives for Climate Resilient Farming; Journal of agrometeorology Vol. 15 (Special Issue – I);ISSN : 0972-1665 : 217-219 (March 2013)  |   |                     |    |                                       |    |
| 3. <b>Sheokand R N</b> and Vinay (2015) A Comparative Study of Content Management Systems : Joomla, Drupal and Wordpress; International Journal of Advance Research In Science And Engineering, IJARSE, Vol. No.4, Special Issue (01), April 2015 ISSN-2319-8354(E) : pp 176-183.   |   |                     |    |                                       |    |
| 4. <b>Sheokand R N</b> and Singh Surender (2012) ICT based Agro-Informatics for precision and climate resilient Agriculture; Proceeding of AIPA 2012, India, The Third National Conference on Agro-Informatics and Precision Agriculture 2012; IIIT, Hyderabad, India; 1 to 3 Aug 2012; Proceeding of AIPA, INDIA, Oral paper (Section – 1) Pp: 64-68 |   |                     |    |                                       |    |
| 5. <b>Sheokand R N</b> , Sheoran O P and Singh Surender (2012) Role of Information and Communications Technology (ICT) in Sustainable Agriculture development; National Seminar on Sustainable Agriculture and Food Security; Challenges in Changing Climate; March 27-28, 2012; CCS HAU, Hisar. Abstr. : Pp 365                                      |   |                     |    |                                       |    |
| <b>Significant achievements: awards, varieties, patents, registration of elite material etc.</b>  |   |                     |    |                                       |    |
| Nil   |   |                     |    |                                       |    |
| 1. Automation of university functioning for the offices of Comptroller CPF/GPF; Registrar (Human resource database, Entrance Examination), XEN-elect. (Electricity bills, telephone bills), GUI salary Package for CCS HAU's employees  |   |                     |    |                                       |    |
| 2. Need based statistical program for MSc/Phd Students and Faculty of the university  |   |                     |    |                                       |    |
| <b>Web page if any:</b>   |   |                     |    | <b>Last Updated:</b> October,06, 2017 |    |