**S.S.E.S.AMT’S SCIENCE COLLEGE, NAGPUR**

**Information to be submitted by Head of the Department for Internal Academic Audit**

Name of the Department: **Computer Science**

Period of assessment: Session: 2017-18

1. Details about Academic Programmes:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Level of the Programme | Number of existing Programmes | Number of programmes added during the year | Number of self-financing programmes | Number of value added / Career Oriented programmes |
| UG | 02 | - | 01 | - |
| PG | 02 | - | 02 | - |
| Ph. D. | 01 | 01 | 01 | - |
| PG Diploma |  |  |  |  |
| Advanced Diploma |  |  |  |  |
| Diploma | 01 | - | - | 01 |
| Certificate |  |  |  |  |
| Others |  |  |  |  |
| Total | 06 | 01 | 04 | 01 |

1. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Whether Permanent /Adhoc/  Contributory | Qualification | Designation | Specialization | No. of Years of Experience | Whether supervisor | No. of Ph.D. awarded / Submitted / Ongoing |
| **Dr. S.R. Pande** | Permanent | **M.Sc., DCS&A , Ph.D.** | **Associate**  **Professor** | Soft Computing | 27 | Yes | 02-Awarded  03-Submitted  01-Ongoing |
| **Dr. R.N. Jugele** | Permanent | **M.Sc., Ph.D.** | **Associate**  **Professor** | Multimedia, Programming Language & Cloud Computing | 23 | Yes | 00-Awarded  00-Submitted  02-Ongoing |
| **Prof. A.A.Halder** | Permanent | **M. Sc., NET,** | **Assistant**  **Professor** | Pattern Recognition | 06 | No | - |

1. No. of Guest and Visiting faculty

-

-

1. Faculty participation in conferences/seminar/workshop and symposia:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the Faculty | Title of Conference/ Seminar/ workshop Attended | Period | Level  International/ National/State /University /College | Whether Presented papers | Whether abstract published in Sovinor/Abstract Book | Whether papers published in proceeding with ISBN No if any | Whether served as experts, chairpersons or resource persons |
| **Dr. R.N. Jugele** | Workshop | 1 Day | National | - | - | - | - |
|  |  |  |  |  |  |  |

1. Innovative processes adopted by the Department in Teaching and Learning:

Use of LCD & Laptop

1. No. of faculty members involved in curriculum restructuring /revision /syllabus development

as member of Board of Study/ as member of Faculty/as a participation

Nil

in Curriculum Development workshop

1. Initiatives undertaken towards faculty development

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the Faculty | *Faculty / Staff Development Programmes* | | | | | | | | |
| Orientation | Refresher | UGC – FIP | HRD program | Faculty exchange program | Staff training by university | Staff training by other institutions | Summer / Winter schools, Workshops, etc | Others |
| **Prof. A.A.Halder** | - | Refresher | UGC | - | - | - | - | - | - |

1. Details of Administrative and Technical staff

|  |  |  |
| --- | --- | --- |
| Name of the staff | Designation | Permanent /Temporary |
| **Shri N. L. Shende** | Lab Attendant | **Regular** |
| **Shri C. S. Jodhani** | Lab Attendant | **Regular** |
| **Shri P. V. Susar** | Lab Attendant | **Regular** |
| **Shri R. M. Sonone** | Lab Attendant | **Regular** |
| **Shri. A. D. Parteti** | Lab Attendant | **Regular** |
| **Shri. D. B. Bhagat** | Lab Attendant | **Regular** |
| **Shri. R. P. Pittalwar** | Lab Attendant | **Regular** |
| **Shri. S. Ghagre** | Lab Attendant | **Adhoc** |

1. Research funds sanctioned and received from various funding agencies, industry and other organizations:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the Faculty | Major/ Minor/ Interdisciplinary/ Industry sponsored/  Any other (Specify) | Duration  Year | Name of the funding Agency | Sanction Letter No /Date | Total grant  sanctioned | Received | Completed/ Ongoing | Whether New Proposal Submitted |
| - | - | - | - | - | - | - | - | - |

1. Details on research publications:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the Faculty | Peer Review Journals | | | Non-Peer Review Journals | | | Conference proceedings | | | e-Journals | | |
| International | National | Other | International | National | Other | International | National | Other | International | National | Other |
| **Dr. S.R. Pande** | 1 | - | - | 1 | - | - | - | - | - | - | - | - |
| **Dr. R.N. Jugele** | 1 | - | - | 1 | - | - | - | - | - | - | - | - |
| **Prof. A.A.Halder** | - | - | - | - | - | - | - | - | - | - | - | - |

1. No of research publications listed in International Database (SCOPUS / Google Scholar)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of the Faculty | No of research publications in **SCOPUS** | No of research publications in **Google Scholar** | Citations | h-index | i10-index |
| **Dr. S.R. Pande** | - | 23 | 24 | 02 | 01 |
| **Dr. R.N. Jugele** | 01 | 18 | 19 | 03 | 00 |
| **Prof. A.A.Halder** | - | - | - | - | - |

1. Details on research publications listed in International Database (SCOPUS)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the Faculty | Co-Authors | Short Title | Journal | Year of Publication | Imp. Factor | SNIP | IPP | SJR | h-index |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

1. Details on Impact factor of publications:

2.5

5

-

-

Range Average h-index Nos. in SCOPUS

1. Details of publication of Chapter in Book/ Book Edited/ Book Published by the faculty:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name of the Faculty | Chapter in Book | Book Edited | Book Published | | | Year of Publication |
|  |  |  | Title of the Book Published | ISBN/ISSN | Publisher |
| - | - | - | - | - | - | - |

1. Areas of consultancy and Revenue generated through consultancy :

|  |  |  |
| --- | --- | --- |
| Areas of consultancy | Revenue generated through consultancy before the assessment period | Revenue generated through consultancy during the assessment period |
| - | - | - |

1. Conferences/Seminar /workshop/Guest Lect. organized by the Department:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr. No | Conferences/Seminar/ workshop/Guest Lect. | International/ National / State/ University/ College Level | Title /Topic | Period | Sponsoring Agencies |
|  | 07  Guest Lect./Seminar | College Level | 1. Guest lecturer on “Redhat Linux”  2. Seminar on “Robotics”  3. Seminar on “Hadoop, Cloud Computing and Java”  4. Seminar on “Web Development Career Opportunities”  5. Guest lecturer on “Educational Loan Facility”  6. ASHA RUSA Test  7. Organized “IMS Institute Scholarship Program” | 2017-2018 | College for All |

1. No. of collaboration /linkages Nil
2. Total budget for research for current year in lakhs:

-

-

From Funding agency From Management of College

1. No. of research awards/ recognitions of faculty and research fellows of the institute:

|  |  |  |  |
| --- | --- | --- | --- |
| Name of the Faculty | Details of the awards/ recognitions | International / National / State / University/ Dist/ College Level | Year |
|  |  |  |  |

-

1. No. of Ph.D. awarded by faculty from the Institution

1. No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

-

-

-

-

JRF SRF Project Fellows Any other

1. Details of increase in infrastructure facilities:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Facilities | Existing | | Newly purchased | | Source of Fund | Total |
| No | Value of the equipment (Rs. in Lakhs) | No | Value of the equipment purchased (Rs. in Lakhs) |  |  |
| No. of important equipments (cost <1 lakh) | - | - | 4 | Smart Board | CPE-01  BCA-02  M.Sc.-01 | 04 |
| No. of important equipments (cost ≥ 1 lakh) | - | - | - | - | - | - |
| Others | - | - | - | - | - | - |

|  |  |  |  |
| --- | --- | --- | --- |
| UG | PG | Ph. D. | Others |
| 601 | 96 | 01 | - |

1. Total Number of students
2. No. of students qualified in these examinations

-

04

-

-

NET SET/SLET GATE CAT

-

IAS/IPS etc State PSC UPSC Others

-

-

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1. Faculty as members in a) National committees b) International Committees c) Editorial

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of the Faculty | Whether members in National committees if yes, give details with period | Whether members in International Committees if yes, give details with period | Whether members in Editorial Boards if yes, give details with period | Whether served as experts, chairpersons or resource persons if yes, give details with period |
| - | - | - | - | - |

1. Student projects: Nil
2. Awards / Recognitions received by faculty and students:

|  |  |  |  |
| --- | --- | --- | --- |
| Name of the Faculty/ students | Details of the awards/ recognitions | International / National / State / University/ Dist/ College Level | Year |
| - | - | - | - |
| - | - | - | - |

1. List of eminent academicians and scientists / visitors to the department.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr No | Name | Field | Address | Date of visit |
| 01. | Ms. Sweta Pal | Software Company | from Intelligent Scripts, Nagpur | 11 Dec 2017 |
| 02. | Mr. Anil Tatode | Robotics | R.T.M.N.U. Robotics, Centre | 29 Feb 2018 |
| 03. | Mr. Prakash Jain | Software Company | “Hadoop, Cloud Computing and Java” | 15 Sep 2017. |
| 04. | Mr. Rahul Panat | Software Company | “Web Development Career Opportunities” | 23 Sep 2017. |
| 05. | Mr. Reddy | Manager SyndicateBank on | SyndicateBank, Nagpur | 09 Sep 2017. |
| 06. | Mr. Melwyn Kirath | Software Company | “HCL Company” | 22nd Dec 2017. |
| 07. | Mr. Arun Agrawal | Software Company | SBE Technologies, Nagpur | 21 July 2017 |
| 08. | Mr. Pramod Radhakrishnan | Software Company | SBE Technologies, Nagpur | 21 July 2017 |
| 09. | Mr. Rohan Fernandes | Pharmaceutical Company | Abbott Healthcare Pvt. Ltd. | 15 to 18 Jan 2018 |

1. Student progression

|  |  |
| --- | --- |
| Student progression | Against % enrolled |
| UG to PG | 75% |
| PG to M.Phil. | - |
| PG to Ph.D. | - |
| * Ph.D. to Post-Doctoral | - |
| Employed  • Campus selection  • Other than campus recruitment | - |
| Entrepreneurship/Self-employment | - |

1. Details on student enrichment programs (special lectures/workshops/seminar) with external experts:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Title/ Topic of the Program | Whether lectures/ workshops/seminar /other | Name of the external experts | Details of the external experts | Period of Program |
| Guest Lecture |  |  |  | 2017-18 |
| Seminar |  |  |  | 2017-18 |
| Industry Visit |  |  |  | 2017-18 |

1. Participation in Institutional Social Responsibility (ISR) and Extension activities:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of the Faculty/ | Details of Participation in Co-curricular activities | Details of Participation in Extra curricular activities | Details of Participation in Extension activities including Institutional Social Responsibility (ISR) | Details with dates and period |
| - | - | - | - | - |

1. List of Alumni of the Departments:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Address | Profession | Email | Mobile No | Date of Birth | Qualification | Passout year | Achievements |
|  |  |  |  |  |  |  |  |  |

1. Major grievances of students (if any) redressed: Nil
2. Any other information: Nil

**Strength:**

1. Qualified & Competent staff.
2. Two Ph.D. supervisors.
3. Enthusiast and Encouraging Principal and Management.

4. Committed and obliging teaching & non teaching staff.

5. Interested and hardworking students.

6. Well furnished Department with Six Air Conditioned Laboratories.

7. Secure environment for co-education.

8. Democratic functioning respected.

9. No. of Groups are available with Computer Science as one of the subject at under graduate level.

10. Add-on course Web Technology.

11. Two Post Graduate courses (M.Sc. and MCA).

12. Students managed Computer Science Subject Society

13. Good results

14. Students seminars, Group Discussion, awareness programs- response by students are good.

15. Sophisticated instruments in the department.

16. Identified Computer Science subject under CPE programme.

17. Parent Teachers interaction is encouraging, Mentoring is practiced.

18. Internet and ICT facilities available.

19. Orientation and Refresher courses done by teachers.

20. Departmental Core library.

21. Recognition of the Department as a Research Laboratory.

**Weakness:**

1. Non availability of qualified faculty for PG courses.

2. Difficulties in filling the vacant posts at UG level.

3. Average students seek admission in B.Sc./M.Sc. Courses.

4. Less employment opportunities for B.Sc. pass out students.

5. Slow economics and industrial growth of Nagpur region.

**Opportunity:**

1. ICT culture enhancement.

2. ICT training (HRD) for masses.

**Challenges:**

1. Creating interest in students for B.Sc.

2. Attendance of students in Class Room.

3. Training the average students of B.Sc./M.Sc. Courses.

4. Internship for PG students in Multi National Company’s.

5. Campus Placement at UG and PG level

36: Future plans:

1. Pool Campus Drive.

2. Workshop in the month of January – February 2019.

3. Interaction with IT-Industry personnel.

4. Seminar on Emerging Android Technologies.



Date 05/01/2019 Signature

Head

Department of Computer Science