Shri Shivaji Education Society Amravati’s

**SCIENCE COLLEGE,** Congress Nagar, Nagpur

**DEPARTMENT OF STATISTICS**

***INTERNAL ACADEMIC AUDIT***

**2019-2020**

1. Vision and Mission of the Department:

To give better facilities to students enabling them to enhance their overall performance.

To make students competent so that they are able to face cut throat competition outside.

1. A. Faculty Strength:

|  |  |  |  |
| --- | --- | --- | --- |
| Faculty | Recruited | Vacant | Remarks |
| Regular | 01 | 01 |  |
| CHB | 01 | 01 |  |
| Ad-hoc | - | - |  |
| Non-teaching | 01 | 01 |  |

B. Faculty profile

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Highest Qualification** | **Designation** | **Specialization** | **Teaching Experience** |
| Mrs. M.A.Pande | M.Sc. M.Phil. | Associate Professor and Head | Operations Research, Nonparametric Inference, Decision theory, Functional Analysis | 35 years |

1. Students strength
2. (Winter 2019)

|  |  |  |
| --- | --- | --- |
| Year | Group | Number of Students Admitted |
| B.Sc. Semester I | SCSM | 32 |
| B.Sc. Semester III | SCSM | 32 |
| B.Sc. Semester V | SCSM | 31 |

B. (Summer 2020)

|  |  |  |
| --- | --- | --- |
| Year | Group | Number of Students Admitted |
| B.Sc. Semester II | SCSM | 32 |
| B.Sc. Semester IV | SCSM | 32 |
| B.Sc. Semester VI | SCSM | 31 |
| M.Sc. I |  |  |
| M.Sc. II |  |  |
| Ph.D. |  |  |
| Value Added Program | . |  |
|  |  |  |

4. Students Performance

1. Result Analysis (Winter 2019) UG & PG

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Programme Code | Programme Name | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|  | B.Sc. Semester I | 32 | 27 | 84.38% |
|  | B.Sc. Semester III | 30 | 29 | 96.67% |
|  | B.Sc. Semester V | 29 | 26 | 89.66% |

1. Result Analysis (Summer 2020 ) UG & PG

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Programme Code | Programme Name | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|  | B.Sc. Semester II | 32 | 32 | 100% |
|  | B.Sc. Semester IV | 32 | 32 | 100% |
|  | B.Sc. Semester VI | 31 | 31 | 100% |

1. Achievements -
2. (Medals/Awards/Prizes at University level)

|  |  |  |  |
| --- | --- | --- | --- |
| Sr.No. | Name of the Students | Class | Title |
|  |  |  |  |

1. Merit Position of PG Students in RTMNU (for PG Dept. only)

5. Students Progression:

|  |  |  |
| --- | --- | --- |
| Year | No. of students enrolling into higher Education | Program graduated from |
|  | UG to PG 3 | B.Sc. |
|  | PG to Research |  |
|  | Placement 6 |  |
|  | On campus |  |
|  | Off campus |  |

* 1. Students’ publication in Extracurricular activity

|  |  |  |  |
| --- | --- | --- | --- |
| Title of the Paper | Name of Author | Title of journal | Year of publication |
|  |  |  |  |

* 1. Students’ Extension Activity

|  |  |  |
| --- | --- | --- |
| Sr. No. | Name of Student | Participation |
|  |  |  |

* 1. No. of Students pursuing higher course: 50% approximately
  2. Students’ participation in seminar

Student of M.Sc. Sem IV Physics participated in conference

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Name of Students | Conference type | Participation as |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

* 1. Students’ Learning course through-on-line: Online classes were conducted during lockdown period

1. Faculty
2. Research Paper Publications
3. Total Number of publications:
4. International \_\_\_\_\_\_\_\_\_\_\_\_
5. National \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self-citation |
|  |  |  |  |  |  |  |

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 /paper published in Souvenir/Abstract Book |
| M. A. Pande | Workshop on research methods and data analytical techniques using SPSS | 24th to 26th September 2019 | National Level |  |  |
| M. A. Pande | Certificate programme on data analysis in R using STATCRAET | 2nd to 4th June 2019 | National Level |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. Awards to Faculty members -
2. MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year -

|  |  |  |  |
| --- | --- | --- | --- |
| Date of MOU | Organization | Purpose/Activity | Student Participate under MOU |
|  |  |  |  |
|  |  |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Nature of the Project | Duration | Name of funding Agency | Amount Sanctioned | Amount Received |
|  |  |  |  |  |

1. Books Published -

|  |  |  |  |
| --- | --- | --- | --- |
|  | Book | | Book Edited |
| Title | ISBN and Date | Chapter |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. Research Guidance by Faculty during the year -

|  |  |  |  |
| --- | --- | --- | --- |
| Name of the guide | Ph.D | | |
| Awarded | Submitted | Registered |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

11. Alumni engagement-

a. Contributes significantly to the development of the institution through financial and other supports

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |

b. alumni contribution during the year -

12. Action Plan of the Department:

\* Celebration of Statistics day.

\* To organize Essay competition on ***“India’s contribution in Statistics”***

\* To organize workshop on statistical software.

\* To arrange guest lectures.

13. Best Practices of the department:

\* Personal attention to students.

\* Every year various projects are carried out to reinforce theory with practical.

14. SWOT Analysis:

**Strength**:

* Versatile collection of books in the department.
* Permanent faculty of the department is a member of the subject examination committee and former member of board of studies, RTMNU, Nagpur.
* Regular evaluation of students.
* Remedial teaching to slow learners.
* Safe and secured environment for co-education.

**Weakness**:

* Average students seek admission.

**Opportunities**:

* Statistics as a subject has ample opportunities in private as well as Govt. departments.
* More opportunities are available to exhibit students’ talent by organizing problem solving competition, project presentation competition, seminars, workshops and exhibitions at college and university level.

**Threat/Challenge:**

* Due to the pattern being MCQ could be a threat for performance of average students if they don’t study thoroughly.

M. A. Pande

Head of Department