

| Evaluative Report of the Department            |  |   |                                   |                                   |                                      |                                      |
|--|--|---|-----------------------------------|-----------------------------------|--------------------------------------|--------------------------------------|
| Name of the Autonomous College                 |  | Fergusson College   |                                   |                                   |                                      |                                      |
| Name of the Department                         |  | Physics   |                                   |                                   |                                      |                                      |
| District                                       |  | Pune  |                                   |                                   |                                      |                                      |
| State  |  | Maharashtra   |                                   |                                   |                                      |                                      |
| Total Number of Departments in the Institution |  | 28  |                                   |                                   |                                      |                                      |
| Sl. No.  |  | Name of the Department  |                                   |                                   |                                      |                                      |
| 1  |  | Year of Establishment of Department   |                                   |                                   |                                      |                                      |
| 2  |  | Is the Department part of a School/Faculty of the Autonomous College  |                                   |                                   |                                      |                                      |
| 3  |  | Names of programmes offered   |                                   |                                   |                                      |                                      |
|  |  | 1 B. Sc. Physics  |                                   |                                   |                                      |                                      |
|  |  | 2 M. Sc. Physics  |                                   |                                   |                                      |                                      |
|  |  | 3 Ph. D. Physics  |                                   |                                   |                                      |                                      |
| Year   |  | 2021-22   | 2020-21                           | 2019 - 2020                       | 2018 - 2019                          | 2017 - 2018                          |
| 4  |  | Number of Teaching Posts Sanctioned   |                                   |                                   |                                      |                                      |
|  |  | 30  | 30                                | 31                                | 31                                   | 28                                   |
|  |  | Number of Teaching Posts Filled   |                                   |                                   |                                      |                                      |
|  |  | 13  | 14                                | 23                                | 14                                   | 18                                   |
| 5  |  | Number of Research Projects   |                                   |                                   |                                      |                                      |
|  |  | 1   | NIL                               | 3                                 | 1                                    | 1                                    |
|  |  | Total Grants Received (Lakhs)   |                                   |                                   |                                      |                                      |
|  |  | 20.1  | NIL                               | 70.86                             | 33                                   | 30.27                                |
| 6  |  | Inter-Institutional Collaborative Projects and Associated Grants Received   |                                   |                                   |                                      |                                      |
|  |  | Number of National Collaboration  |                                   |                                   |                                      |                                      |
|  |  | 13  | 9                                 | 5                                 | 4                                    | 5                                    |
|  |  | Number of International Collaboration   |                                   |                                   |                                      |                                      |
|  |  | 1   | 2                                 | NIL                               | NIL                                  | 1                                    |
|  |  | Grants Received(Lakhs):   |                                   |                                   |                                      |                                      |
|  |  | NIL   | NIL                               | 1.35                              | NIL                                  | NIL                                  |
| 7  |  | Departmental projects funded by DST-FIST, UGC-SAP/CAS,DPE, DBT, ICSSR, AICTE etc.,  |                                   |                                   |                                      |                                      |
|  |  | Number of Projects  |                                   |                                   |                                      |                                      |
|  |  | 3 (SEED Money)  | 5 (DBT STAR Scheme)               | NIL                               | 2 (DBT STAR Scheme)                  | NIL                                  |
|  |  | Total Grants Received (Lakhs):  |                                   |                                   |                                      |                                      |
|  |  | 65128 (DBT) + 55000 (SEED)  | 4,07,083 (DBT)                    | 446551 (CE) + 263233 (DBT)        | 533745 (CE) + 1777083 (DBT)          | 16,06,631 (CE)                       |
|  |  | 1.20128   | 4.07083                           | 7.09784                           | 23.10828                             | 16.06631                             |
| 8  |  | Special research laboratories sponsored by / created by industry or corporate bodies  |                                   |                                   |                                      |                                      |
|  |  | NIL   | NIL                               | NIL                               | NIL                                  | NIL                                  |
| 9  |  | Publications  |                                   |                                   |                                      |                                      |
|  |  | Number of Papers published  |                                   |                                   |                                      |                                      |
|  |  | 19  | 8                                 | 5                                 | 3                                    | 3                                    |
|  |  | Number of Books with ISBN   |                                   |                                   |                                      |                                      |
|  |  | NIL   | NIL                               | NIL                               | NIL                                  | NIL                                  |
|  |  | Number of Citation Index – range / average  |                                   |                                   |                                      |                                      |
|  |  | Range- 0 to 2<br>Average- 1   | Range- 1 to 19<br>Average- 5      | Range- 2 to 27<br>Average- 7      | Range- 5 to 11<br>Average- 7         | Range- 5 to 76<br>Average- 39        |
|  |  | Number of Impact Factor – range / average   |                                   |                                   |                                      |                                      |
|  |  | Range- 0 to 3.4<br>Average- 1.96  | Range- 0 to 4.17<br>Average- 1.35 | Range- 0 to 4.29<br>Average- 2.17 | Range- 1.78 to 4.38<br>Average- 2.53 | Range- 0.84 to 6.37<br>Average- 3.26 |
|  |  | Number of h-index   |                                   |                                   |                                      |                                      |
|  |  | Average-7   | Average-7                         | Average-6                         | Average-6                            | Average-6                            |
| 10   |  | Details of patents and income generated   |                                   |                                   |                                      |                                      |
|  |  | NIL   | NIL                               | NIL                               | NIL                                  | NIL                                  |
| 11   |  | Areas of consultancy and income generated   |                                   |                                   |                                      |                                      |
|  |  | 1   | NIL                               | NIL                               | NIL                                  | NIL                                  |
|  |  | Income generated (Lakhs):   |                                   |                                   |                                      |                                      |
|  |  | 0.15  | NIL                               | NIL                               | NIL                                  | NIL                                  |
| 12   |  | Number of Awards/Recognitions received at the National and International level by   |                                   |                                   |                                      |                                      |
|  |  | 1. Faculty  |                                   |                                   |                                      |                                      |
|  |  | 1   | 1                                 | 3                                 |                                      | 1                                    |
|  |  | 2. Doctoral and Post Doctoral Fellowships   |                                   |                                   |                                      |                                      |
|  |  | NIL   | NIL                               | NIL                               | NIL                                  | NIL                                  |
|  |  | 3. Students   |                                   |                                   |                                      |                                      |
|  |  | 35  | 12                                | 8                                 | 3                                    | 4                                    |
| 13   |  | How many students have cleared Civil Services and Defense Services examinations, NET, SET (SLET), GATE and other competitive examinations |                                   |                                   |                                      |                                      |
|  |  | 12  | 5                                 | 3                                 | 4                                    | 2                                    |
| 14   |  | List of doctoral, post-doctoral students and research associates  |                                   |                                   |                                      |                                      |
|  |  | From the host Institution / Institution   |                                   |                                   |                                      |                                      |
|  |  | 6   | 1                                 | 3                                 | 1                                    | 2                                    |
|  |  | From other Institutions / Universities  |                                   |                                   |                                      |                                      |
|  |  | 7   | 1                                 | NIL                               | NIL                                  | 1                                    |
| 15   |  | Number of Research Scholars / Postgraduate getting financial assistance from the University / State / Central                             |                                   |                                   |                                      |                                      |
|  |  | University  |                                   |                                   |                                      |                                      |
|  |  | NIL   | NIL                               | NIL                               | NIL                                  | NIL                                  |
|  |  | State   |                                   |                                   |                                      |                                      |
|  |  | NIL   | 2                                 | NIL                               | NIL                                  | NIL                                  |
|  |  | Central   |                                   |                                   |                                      |                                      |
|  |  | 1   | NIL                               | NIL                               | NIL                                  | NIL                                  |
| *Note: Compile data for the last five years    |  |   |                                   |                                   |                                      |                                      |