CHAPTER 4
RESEARCH METHODOLOGY
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The study involved data collection from the sample population of Self financing/Private schools and colleges and Government/Aided schools and colleges in Meerut District of U.P. in the following ratio:

- Self – financing/Private (10)
- Government/Aided (11)
- Self-financing/Private (10)
- Government/Aided (10)

Information from institution heads, professors, associate professors, assistant professors, teachers, administrative staff, students as well as parents has been gathered. Information has been collected from both primary as well as secondary sources.

- **Primary sources include:**
  - structured as well as non structured surveys
  - Questionnaires (comprising of both open-ended as well as multiple choice questions)
  - Personal Interviewing
Secondary sources comprise of:

- Books
- Journals
- Magazines
- Newspapers
- Internet surfing
- Committees (Yashpal Committee Report)

Sample Design

Stratified Sampling technique has been used. Classification and grouping of various Self Financing/Private and Government/Aided Educational Institutes has been done on the basis of courses offered by them.

**Total Respondents**

<table>
<thead>
<tr>
<th></th>
<th>PRIVATE/SELF FINANCE</th>
<th>GOVERNMENT/AIDED</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEADS</td>
<td>14</td>
<td>14</td>
<td>28</td>
</tr>
<tr>
<td>TEACHERS/PROFESSORS</td>
<td>82</td>
<td>82</td>
<td>164</td>
</tr>
<tr>
<td>ADMINISTRATION STAFF</td>
<td>33</td>
<td>27</td>
<td>60</td>
</tr>
<tr>
<td>STUDENTS</td>
<td>214</td>
<td>224</td>
<td>438</td>
</tr>
<tr>
<td>PARENTS</td>
<td>126</td>
<td>141</td>
<td>267</td>
</tr>
</tbody>
</table>

(TABLE 01)
Analysis of data collected: For the purpose of analysis SPSS has been adopted. Results have been depicted in the form of graphs and statistical tables. Some of the results are as follows:

- **FROM HEADS’ POINT OF VIEW:**

1.1 **Comparison Of Teaching Methodology**

<table>
<thead>
<tr>
<th></th>
<th>Only Academic</th>
<th>Only Practical</th>
<th>Both Academic and Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>-</td>
<td>-</td>
<td>18</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>2</td>
<td>-</td>
<td>14</td>
</tr>
</tbody>
</table>

(TABLE 02)

(FIG. 1.1a) Private / Self financing  
(FIG. 1.1b) Govt./ Aided  
(FIG. 1.2 a) Private / Self financing  
(FIG. 1.2 b) Govt./ Aided
CONCLUSION: From the above table and charts, it's very clear that the heads of all the Private/Self-Financing Institutes assure that the teaching methodology used in their Institutes is both academic and practical while in Govt./Aided Institutes sometimes it's only academic.

1.2 Annual Training Programmes arranged in Institutes:

<table>
<thead>
<tr>
<th></th>
<th>None</th>
<th>1 to 4</th>
<th>5 to 10</th>
<th>above 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private/Self financing</td>
<td>-</td>
<td>12</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Govt./Aided</td>
<td>8</td>
<td>6</td>
<td>2</td>
<td>-</td>
</tr>
</tbody>
</table>

(TABLE 03)
CONCLUSION: It can be concluded from the above table and charts that a majority of Private Institutes provide about 1 to 4 training programmes to their faculties. Even few of them provide above 10 training programmes in a year while there's no Private Institute that doesn't provide any training Programme.

In comparison to the Private institutes, the number of annual training programmes provided in Government/Aided Institutes is very less. There are some Government Institutes where the faculties do not attend any training programme during the year.

1.3 Accreditation and Evaluation Status:

<table>
<thead>
<tr>
<th></th>
<th>Fully Accredited/Evaluated</th>
<th>Provisionally Accredited/Evaluated Meets Standards</th>
<th>Provisionally Accredited/Evaluated Needs Improvement</th>
<th>Evaluated with warning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>14</td>
<td>4</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Govt./Aided</td>
<td>14</td>
<td>2</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

(TABLE 04)

(FIG. 1.3 a) Private / Self financing
CONCLUSION: We conclude that most of the Private/ Self Financing and Government/Aided institutes are Fully Accredited. Few are Provisionally Accredited but there are hardly any Institutes that are not Accredited or that have been Evaluated with warning.

- FROM FACULTIES’ POINTS OF VIEW

2.1 Comparison of Teaching Methodology of faculties

<table>
<thead>
<tr>
<th></th>
<th>Only Academic</th>
<th>Only Practical</th>
<th>Both Academic and Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>-</td>
<td>-</td>
<td>82</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>-</td>
<td>-</td>
<td>74</td>
</tr>
</tbody>
</table>

(TABLE 05)
CONCLUSION: It's very clear from the above table and charts that faculties in both Private/Self-Financing and Government/Aided Institutions use both Academic and Practical Teaching Methodology.

2.2 Annual Training Programmes received by faculties in Institutes:

<table>
<thead>
<tr>
<th></th>
<th>None</th>
<th>1 to 4</th>
<th>5 to 10</th>
<th>above 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>12</td>
<td>60</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Govt./Aided</td>
<td>26</td>
<td>26</td>
<td>14</td>
<td>2</td>
</tr>
</tbody>
</table>

(TABLE 06)
CONCLUSION: It can be concluded from the above table and charts that a majority of Private Institutes provide about 1 to 4 training programmes to their faculties. Even few of them provide above 10 training programmes in a year while there are some Private Institute that do not provide any training Programme.

In comparison to the Private institutes, the number of annual training programmes provided in Government/Aided Institutes is very less. There are more number of Government Institutes where the faculties do not attend any training programme during the year.
2.3 Stronger Points Of Institutes

<table>
<thead>
<tr>
<th></th>
<th>Infrastructure</th>
<th>Admissions</th>
<th>Pay Structure</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>38</td>
<td>22</td>
<td>4</td>
<td>14</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>32</td>
<td>20</td>
<td>16</td>
<td>12</td>
</tr>
</tbody>
</table>

(TABLE 07)

(FIG. 2.3 a)

(FIG. 2.3 b)
CONCLUSION: From the above table and graphs, it can be concluded that from faculties point of view Infrastructure has been mentioned as the strongest point of both Private/ Self Financing and Government/Aided Institutions.

2.4 Weaker Points Of Institutes

<table>
<thead>
<tr>
<th></th>
<th>Infrastructure</th>
<th>Admissions</th>
<th>Pay Structure</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>8</td>
<td>24</td>
<td>22</td>
<td>12</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>12</td>
<td>12</td>
<td>12</td>
<td>16</td>
</tr>
</tbody>
</table>

(TABLE 08)
CONCLUSION: From the above table and graphs, it can be concluded that from faculties point of view Admissions has been mentioned as the weakest point of Private/ Self Financing Institutions. Pay structure is another significant weak factor of Private/Self Financing institutions.

Location is the weakest point of Government/Aided institutions as mentioned by their faculties while Infrastructure, Admissions and Pay Structure have been considered at the same platform.
2. **FROM STUDENTS’ POINTS OF VIEW**

3.1 **Comparison of teaching Methodology of faculties as analyzed by students**

<table>
<thead>
<tr>
<th></th>
<th>Only Academic</th>
<th>Only Practical</th>
<th>Both Academic and Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>34</td>
<td>2</td>
<td>160</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>12</td>
<td>8</td>
<td>216</td>
</tr>
</tbody>
</table>

(TABLE 09)  

![Chart Title](image)

(FIG. 3.1 a) Private / Self financing  

(FIG. 3.1 b) Govt./Aided

**CONCLUSION** : According to students, most of the faculties in both Private/Self Financing Institutes and Government/Aided Institutes follow both Academic and Practical Teaching Methodologies.
3.2. Balance between Fee Structure and Teaching Standards

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>To Some Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>78</td>
<td>66</td>
<td>54</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>60</td>
<td>36</td>
<td>144</td>
</tr>
</tbody>
</table>

*(TABLE 10)*

(FIG. 3.2 a) Private / Self financing

(FIG. 3.2 b) Govt./ Aided

(FIG. 3.2 c)
CONCLUSION: From the above chart and tables, it is quite clear that balance between teaching standards and fee structure is more evident in Private/Self Financing Institutes as compared to Govt. / Aided Institutes.

4. FROM PARENTS’ POINTS OF VIEW

4.1 Comparison of Teaching Methodology of faculties as analyzed by parents

<table>
<thead>
<tr>
<th></th>
<th>Only Academic</th>
<th>Only Practical</th>
<th>Both Academic and Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>21</td>
<td>3</td>
<td>72</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>6</td>
<td>165</td>
<td></td>
</tr>
</tbody>
</table>

(TABLE 11)

(FIG. 4.1 a) Private / Self financing

(FIG. 4.1 b) Govt./ Aided

CONCLUSION: According to parents, most of the faculties in both Private/Self Financing Institutes and Government/Aided Institutes follow both Academic and Practical Teaching Methodologies.
4.2 Balance between Fee Structure and Teaching Standards

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>To Some Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>18</td>
<td>33</td>
<td>45</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>39</td>
<td>36</td>
<td>93</td>
</tr>
</tbody>
</table>

(TABLE 12)

(FIG. 4.2 a) Private / Self Financing  (FIG. 4.2 b) Govt. / Aided

CONCLUSION: According to parents, there’s a better balance between Fee Structure and Teaching Standards in Government/Aided Institutes as compared to Private/Self Financing Institutes.

5. FROM ADMINISTRATION STAFF’S POINT OF VIEW

5.1 Stronger Points Of Institutes

<table>
<thead>
<tr>
<th></th>
<th>Infrastructure</th>
<th>Admissions</th>
<th>Pay Structure</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>18</td>
<td>9</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>8</td>
<td>12</td>
<td>10</td>
<td>3</td>
</tr>
</tbody>
</table>

(TABLE 13)
**CONCLUSION**: According to Admin Staff, Infrastructure is the strongest point of Private/Self Financing while admissions and pay structure are the strongest points of Government/Aided institutes.

### 5.2 Weaker Points Of Institutes

<table>
<thead>
<tr>
<th></th>
<th>Infrastructure</th>
<th>Admissions</th>
<th>Pay Structure</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private / Self financing</td>
<td>4</td>
<td>22</td>
<td>38</td>
<td>14</td>
</tr>
<tr>
<td>Govt./ Aided</td>
<td>37</td>
<td>15</td>
<td>16</td>
<td>12</td>
</tr>
</tbody>
</table>

*(TABLE 14)*

![Graph showing comparison between Private/Self financing and Govt./Aided institutes for various aspects]

*(FIG. 5.2 a)*

![Graph showing comparison between Private/Self financing and Govt./Aided institutes for various aspects]

*(FIG. 5.2 b)*
CONCLUSION: According to Admin Staff, Pay Structure is the weakest point of Private/Self Financing institutes. Lack of Admissions is also another weak factor of Private/Self Financing institutes.

Infrastructure is the weakest point of Government/Aided Institutes.