**1. RESEARCH AND ACTION RESEARCH**

**Rationale**

Educational research is that which develops new knowledge, which is then applied to the improvement of educational practice. Same is true for Teacher Education. The system of Teacher Education has several sub-systems. There is constant interaction among them. As such the components of the system, the inputs, processes and the outputs lend themselves to research.

**Objectives**

The two broad objectives of research in Teacher Education are

(1) To understand the educational phenomenon and

(2) To transform it.

**Scope and coverage**

Senior Assistant Directors of DSERT, Readers and Lecturers of CTE and Senior Lecturers and Lecturers of DIETs.

**Approach and Methodology**

Establishing a research wing in DSERT.

Identifying institutions to collaborate in conducting research studies.

Finalizing the team members (three to four members) to carry out research in DSERT, CTE and DIETs.

Identifying at least two research problems.

Orientation program on how to conduct research studies.

Visiting the study area and collecting the data.

Presenting the study report in Teacher Educators’ Conference.

Research Methodologies adopted are mainly descriptive surveys, experimental studies, developmental studies, as well as relational studies.

**Developmental areas covered**

* The context variables include student-teacher characteristics, institutional characteristics related studies and on classroom context.
* The presage variables include teacher-educator characteristics i.e. formative experiences of teacher educators, their education and training, motivation, abilities, personality factors, intelligence, and teaching and training skills.
* The process variables such as classroom interactions, class room transactions and mediating processes that lead to learning.
* The product studies on outcome of teacher education.

**Outcomes**

* Develops a deeper understanding of various educational practices.
* Provides necessary ground for any changes in the educational practices selected for the research study.

**Collaborating Institutions**

RV Educational Consortium, Bengaluru and Tata Institute of Social Sciences, Mumbai.

**Budget and Time line**

| Activities | No. of participants/unit | Unit Cost | Amount (in lakhs) | Time line | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Q1 | Q2 | Q3 | Q4 |
| Establishing a research wing in DSERT. | 1 | 0.5 | 0.5 |  |  |  |  |
| Identifying institutions to collaborate in conducting research studies. | 1 | 0 | 0 |  |  |  |  |
| Finalizing the team members (three to four members) to carry out research in DSERT, CTE and DIETs. | 180 |  | 0 |  |  |  |  |
| Identifying at least two research problems. |  |  | 0 |  |  |  |  |
| Orientation program on how to conduct research studies. | 180 | 725 | 2.61 |  |  |  |  |
| Visiting the study area and collecting the data. | 180 | 100 | 5.40 |  |  |  |  |
| Consolidating the data and writing a report | 180 | 1000 | 1.80 |  |  |  |  |
| Presenting the study report in Teacher Educators’ Conference. | 180 | 2000 | 7.20 |  |  |  |  |
|  | 902 | 53825 | 17.51 |  |  |  |  |

**2. RESOURCE CENTER**

**Rationale**

The Education Resource Center provides curriculum resources and related services to help prepare and support teacher educators and teachers.

**Objectives**

* To support teacher educators and teachers to achieve learning outcomes.
* Facilitate the creation of an academic resource group within the District.

**Scope and coverage**

Teacher Educators and Teachers of the District.

**Approach and Methodology**

* Establishing a resource centre in each DIET.
* Upgrading the existing computer lab.

**Developmental areas covered**

* Cultivating a habit of reading in teacher educators and teachers.
* Encouraging teacher educators and teachers to browse internet to update their content knowledge.

**Outcomes**

* Teacher educators and teachers will develop their content knowledge.
* Teacher educators and teachers will integrate ICT in their class room transaction

**Budget and Time line**

| Activities | No. of participants/units | Unit Cost | Amount (in lakhs) | Time line | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Q1 | Q2 | Q3 | Q4 |
| Establishing a resource centre in each DIET. | 36 | 50000 | 18.00 |  |  |  |  |
| Upgrading the existing computer lab | 1080 | 30000 | 324.00 |  |  |  |  |
|  | 901 | 30000 | 342.00 |  |  |  |  |

**3. ON-SITE SUPPORT BY TEACHER EDUCATORS**

**Rationale**

To ensure implementation of the ideas discussed/generated during in-service teacher training programs, the faculty members carry out school visits. Visits to schools will be well-planned and will have a clear idea to extend academic support to the teachers and children when they go to school. Two or more subject experts go to school together, such that it is possible for them to create linkages among subjects.

**Objectives**

* To support teachers in implementing various educational programs.
* To improve teacher effectiveness.
* To capture the data of the institution visited.

**Scope and coverage**

Government and Aided Elementary and Secondary schools.

**Approach and Methodology**

* Each faculty member will visit at least ten schools in a month.
* Developing software to capture the infrastructure available.

**Developmental areas covered**

* Classroom transaction.
* Implementation of educational programs.
* Implementation of trainings imparted.

**Outcomes**

* Teacher educators will get first hand information of the implementation of training programs and educational programs.
* Provision of academic support to teachers.

**Budget and Time line**

| Activities | No. of participants/units | Unit Cost | Amount (in lakhs) | Time line | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Q1 | Q2 | Q3 | Q4 |
| TA DA for the faculty | 650 | 100 | 119.04 |  |  |  |  |
| Development of software | 1 | 100000 | 1.00 |  |  |  |  |
| Providing Tabs to faculty | 650 | 15000 | 97.50 |  |  |  |  |
|  | 651 | 100100 | 217.54 |  |  |  |  |

**4. PROGRAMS CONDUCTED FOR THE FACULTY OF DSERT, CTE AND DIETs**

**Rationale**

Study Tours will be undertaken by faculty so that a group of five to six faculty members go on an exposure visit up to five days. These visits could be to innovative teacher education institutions or centers of the various states in the Country.

**Objectives**

* To know the good practices prevailing in Teacher Education Institutions of other States.
* To compare the scenario of Teacher Education prevailing in our State with that in the States visited.

**Scope and coverage**

Director, JD, DD and SADPIs of DSERT, Principal, Readers and Lecturers of CTE and Principal, Senior Lecturers and Lecturers of DIETs.

**Approach and Methodology**

* Identifying institutions to visit.
* Preparing TOR for the visit.
* Visit to institutions identified in the selected State.
* Presenting the study report in Teacher Educators’ Conference.

**Developmental areas covered**

* The context variables include student-teacher characteristics, institutional characteristics related studies and on classroom context.
* The presage variables include teacher-educator characteristics i.e. formative experiences of teacher educators, their education and training, motivation, abilities, personality factors, intelligence, and teaching and training skills.
* The process variables such as classroom interactions, class room transactions and mediating processes that lead to learning.

**Outcomes**

* Develops an understanding of various educational practices prevailing in other States.
* Provides for comparing the Teacher Education scenario of our State with that of other States.

**Budget and Time line**

| Activities | No. of participants/units | Unit Cost | Amount (in lakhs) | Time line | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Q1 | Q2 | Q3 | Q4 |
| Identifying institutions to visit |  |  |  |  |  |  |  |
| Preparing TOR for the visit. Selection oF faculty members and states to visit | 185 | 0 | 0 |  |  |  |  |
| Visit to institutions identified in the selected State | 185 | 30000 | 55.50 |  |  |  |  |
|  | 370 | 30000 | 55.50 |  |  |  |  |