

Criterion – III

Research, Consultancy and Extension

3.1. Promotion of Research

3.1.1. How does the institution motivate its teachers to take up research in education?

The institution has fourteen teaching faculty; all are doctorates. The institution motivates its teachers to publish research articles in reputed journals, present research papers in national and international seminars. Whenever funds are granted by MHRD, the teaching staff members are allowed to take up projects and opportunity is given on seniority basis. Other than the regular orientation towards research, the institution, also conducts periodically symposiums and research committee meetings for M.Ed., M.Phil. and Ph.D students. The faculty members who guide M.Phil. and Ph.D. scholars are encouraged to participate in doctoral committee meetings conducted by other institutions of higher learning, as many of the research supervisors /guides of this institution are members in research bodies and research committees of various institutions. This institution offers full-time B.Ed., M.Ed., and M.Phil. courses. Though the staff members are constantly engaged in academic and other administrative commitments they channel their concentration on research to enrich their knowledge and those of their students. Teachers are given academic freedom to pursue higher education and are encouraged to participate and present papers in conferences, seminars and workshops. Many teaching faculty members working here extend their services as guest speakers, chairpersons and repertoires in national seminars. In short our institution motivates its teachers to take up research in education in the following ways:

- By giving teachers academic freedom.
- By creating a congenial and conducive academic environment.
- By providing ample opportunities to the staff members to attend seminars, workshops and guest-lectures related to education.
- By giving them official permission to pursue higher studies.
- By ensuring that the qualified staff members with recognized guideship from TNTEU guide M.Ed., M.Phil., Ph.D. scholars in their dissertations. (3.1.1-List of reorganized research guides of the institution appended)
- Through extended community activities.

3.1.2 What are the thrust areas of research prioritized by the institution?

Being a teacher education institution major thrust areas of research is ‘education’, ‘teaching’ and other areas pertaining to Teacher education such as

- a. Educational Psychology.
- b. Guidance and Counselling.
- c. Educational management and Administration.
- d. Information and Communication technology, Sociology of Education
- e. Educational Philosophy, Curriculum Development
- f. Teacher Education, Teacher-Learner characteristics etc.

3.1.3 Does the institution encourage Action research?

Yes, the institution encourages Action research.

Action research is compulsory at the B.Ed., level. During teaching practice / internship sessions B.Ed., teacher trainees are encouraged to conduct a small level action research based on the practical classroom teaching and evaluation based aspects. An introduction to action research, the

process of conducting action research, the steps involved in it is given to all the teacher trainees by arranging special lectures. Areas of action research are identified based on the discussions and exposure to select areas based on classroom problems, evaluation and diagnosis of subject area, behavioral problems and academic achievement. These are some of the general areas in which action research is conducted at the B.Ed., level.

At the M.Ed and M.Phil level certain topics are chosen for which the action research methodology is applied. These are certain research areas done during the last five years which may be categorized under Action Research.

Some of the vital areas of Action research includes,

- Diagnosis related to achievement and Remedial programmes
- Behavioral Problems of the students
- Adolescent health awareness
- Safety awareness
- Environmental awareness
- Personal hygiene
- Pollution Control, Garbage management at small scales

Thus the institution encourages Action research in all possible areas to improve the quality of education.

3.1.4. Give details of the Conference/Seminar/Workshop attended and organized by the faculty members in the last five years.

The Faculty members have been regularly attending International and National Conferences, Seminars and Workshop. The Faculty Members consistently participate and present papers in seminars and conferences at the National and International level.

Appendix I (3.1.4 – Details of Conferences / Seminars / Workshop attended and organized by the faculty members)

3.2. Research and publication output

The faculty members of this institution have been publishing in various International, National and Regional journals apart from conference and seminar proceedings. List of Publications of the faculty members in the Journals is appended.

Appendix II (3.2.5 Details of Publication in International, National / Regional Journals, Article/Book by members of the faculty)

3.2.1. Give details of instructional and other materials developed including teaching aids and/or used by the institution for enhancing the quality of teaching during the last three years.

Instructional materials like programmed learning material, linear and branched styles of programmed instruction are developed by the B.Ed. students. Power Point presentation is a compulsory aspect of practical activity for all the students studying at the B.Ed., M.Ed., M.Phil. levels.

Simple teaching aids, working models and non-working models, scales, shapes (2 dimensional and 3 dimensional), specimens, microscope slides are developed.

Non projected teaching aids like flash card, flipcharts, OHP transparent sheet, film strips, flannel / display boards are prepared. Beyond these practical components, website analysis, placard preparation, opening an e-mail account for every student, online assignments, Herbarium, Nature album, Picture album, Booklets, Worksheets are all the other instructional materials developed by the students for enhancing the quality of teaching.

3.2.2. Give details of facilities available with the institution for developing instructional materials.

The following are the facilities available with the institution for developing instructional materials.

- a). Computer and language laboratory to develop power point presentation in the respective subjects.
- b). A separate training program is arranged for students of science and humanities separately to orient them to develop instructional materials on their own.
- c). Display materials/equipment such as

Nature album, placards, Worksheets, Overhead projectors, Digital cameras, TV, audio players, computer and other sound systems are available. Notice Boards, Display Boards, Internet facilities and Library – reference materials are available.

3.2.3. Did the institution develop any ICT/Technology related instructional materials during the last five years give details?

The institution develops the following technology related instructional materials in the form of CD (MS Power point) presentations.

Every optional class student prepares a power point presentation and almost all vital topics of the syllabus concerned are covered under this activity.

3.2.4 Give details of various training programmes and workshops on material development (both instructional and other materials)

- a. **Organised by the institution**
 - b. **Attended by the staff**
 - c. **Training provided to the staff**
- A workshop on ‘Preparation and improvisation of Teaching aids’ was conducted by Mr.A.Ramachandran, a Professional involved in Teaching Aids preparation. This activity is being conducted every academic year since 2008.
 - A One day State level Workshop on Research Tools and Techniques

was organized by Dept. of Education coordinated by Dr.S.Nirmala Devi in December,2011.

- A Two Day National Level Seminar on Enhancing Teacher Competencies (09-03-2012 to 10-03-2012) was conducted in our institution Co-ordinated by was Dr. (Mrs) S. Nirmala Devi (Head, Department of Education).
- A State level Workshop on Writing Research Proposal was conducted on 17-10-2012 by the Department of Education, Co-Ordinated by Dr. (Mrs) S. Nirmala Devi, (Head, Dept of Education).
- A State level Workshop on SPSS was conducted on 22-04-2013 & 23-04-2013 and Co-ordinated by Dr. (Mrs) D. Ushalayaraj, Associate Professor of Education.
- A Zonal level conference for YRC office bearers of Colleges of Education was conducted on 16-03-2013 for TamilNadu Teachers Education University and Coordinated by Dr. D Venkataraman (Head of the Dept of Geography Education).
- Question bank preparation for all the subjects was done by the respective subject and optional staff members. Question bank serves as a rich source of reference for the students and teachers alike. Other than the workshops, regular class based seminar activities such as teaching aid preparations, First Aid, Disaster management, YRC, Yoga etc., were conducted.

3.2.5. List of Journals in which the faculty members have published papers in the last five years.

The list the journals in which the Teaching Faculty Members have been consistently publishing research and thematic papers has been enclosed. Appendix III (3.2.5 – List of Journals)

3.2.6 Give the details of awards, honors and patents received by the faculty members in last five years.

Some of the Faculty members have received awards as Best teachers through State Academic Associations.

Best Teacher Award:

Dr. S. Nirmala Devi: The award is instituted by Tamizhaga Institute of Educational Research and Advancement.

Dr.S.Chelvi: The award is instituted by Tamizhaga Institute of Educational Research and Advancement.

Dr. K. Sai Kumari : Her name has been recognized and included in Asian Admirable Achievers book, Published by Rifacimento International, New Delhi, 2010. Page number 395. Email address: rifacimento@gmail.com.

3.2.7. Give details of the minor, major research projects completed by staff members of the institution in the last five years.

Three projects with MHRD grants have been completed by three of the Senior Faculty Members ,2012-14.

S.No	Name	Amount (Rs)
1	Dr. J. Uma	50000
2	Dr. S. Nirmala Devi	50000
3	Dr. C. Periasamy	50000
4	Dr. D. Ushalayaraj	50000

3.3. Consultancy

3.3.1 Did the institution provide consultancy services in the last five years?

There is no official body offering any consultancy services. However, the faculty members of this institution are members in various academic and administrative bodies of other autonomous colleges and they provide suggestions contributing to the development of the neighbouring and newly started institutions.

3.3.2. Are faculty/staff members of the institute competent to undertake consultancy? If yes, list the areas of competency of staff members and the steps initiated by the institution to publicize the available expertise.

Yes, the staff members of this institution are competent to undertake consultancy services. The following are the areas of competency of staff members in which they are competent.

1.	Dr. S. Nirmala Devi	Research Methods and statistics Educational and Vocational Guidance.
2.	Dr. D. Ushalaya Raj	Computer Education, research methods and Statistics Educational Vocational Guidance
3.	Dr.V.Chandrasekaran	Educational Psychology , philosophy and sociology foundations of Education, Educational research and Statistics Educational Vocational Guidance
4.	Dr.Sujatha Freeda Nesamani Bose	Social Sciences Education pedagogy & Personal Guidance
5.	Dr. V. Kalaiarasi	Biological Science Education and Personal Guidance
6.	Dr.N.G.Kapila Shobini	English Education ,Communication and Orientation skill expert, Language lab oriented activities for fluency development
7.	Dr. D. Venkatraman	Cognitive Psychology Educational Research, Geography Education.

8.	Dr. A. Vasanthi	Physical Science Education, Educational Research Methods, Educational Management and Administration.
9.	Dr. R. Sahayamary	Physical Science Education, Educational Research Methods.
10.	Dr. S. Chelvi	English Education, Educational Research Methods.
11.	Dr. P. Muthu Pandi Selvi	English Education, Educational Psychology, General Education.
12.	Dr. K. Saikumari	Biological Science Education, General Education, Educational psychology, Guidance and counselling
13.	Dr. S. Prabu Shankar	Research Methods and statistics, Educational Psychology and General Education
14.	Dr. V. Manoharan	Tamil Language Education, General Education.

3.3.3. How much revenue has been generated through consultancy in the last five years? How is the revenue generated, shared among the concerned staff members and the institution?

No revenue has been generated through consultancy in the last five years.

3.3.4. How does the institution use the revenue generated through consultancy?

No revenue is generated through consultancy.

3.4. Extension Activities

3.4.1. How has the local community benefited from the institution? (Contribution of the institution through various extension activities, outreach programmes, partnering with NGO's and GO's)

Various extension activities to benefit the local community has been organized by the institution through activities such as literacy programme for the adults, awareness on aids, health and nutrition, environment, road and personal safety, hygiene etc., were carried out through separate activities during citizenship training camp activities to the local community people living in Jothi Nagar, Saidapet, Ch-15. IASE by partnering with Nongovernmental and governmental organisations. Youth Red Cross conducts blood camps, first Aid camp etc. Vazhga Valamudan of Vedantri Maharishi institution conducted Certificate Course in Yoga for the B.Ed., trainees.

3.4.2. How has the institution benefited from the community? (Community participation in institutional development. Institution-community networking, Institution-school networking etc.,)

Institution has been benefited by the community by carrying out suggestions provided by the locals and area officials. Health camp, Blood donation camp, campus and hostel cleaning are being conducted each year with the help and suggestions taken from the local people, thus the institution benefits from the community through institution community networking. It is through this kind of networking that Placement cell actively organizes

placement activities. Around fifteen schools from different parts of Tamil Nadu State visit the institution at the end of each academic year and offer placements to the selected candidates. Thus the institution, benefits through the institution - school networking

3.4.3. What are the future plans and major activities the institution would like to take up for providing community orientation to students?

The following are some of the future plans and major activities by the institution to be taken up for providing community orientation to students,

1. Awareness of sustainable development programmes.
2. Environmental care and Pollution control programmes.
3. Nutrition and adolescent awareness training programmes.
4. Life skills training.
5. Workshop on inculcating reading habits
6. Communication skill training.
7. Offering of the Diploma courses for the post-graduate and M.Phil. Students.
8. Conducting international level seminar are the future plans and major activities the institution would like to take up to benefit the community orientation to students.

3.4.4. Is there any project completed by the institution relating to community development in the last five years?

No projects relating to community development was completed during the last five years.

3.4.5. How does the institution develop social and citizenship values and skills among its students?

Being a government institution, the institution is keen on developing social conscience, citizenship values and skills among its students.

Weekly common prayer with flag hoisting is being conducted on all Mondays with the trainees assembled in white and white uniform.

A Five day Citizenship Training Camp as part of the curriculum is organized every year to inculcate life and social skills and values among students.

Community service is a regular aspect of the work schedule for the teacher trainees along with sports, fitness and physical developmental activities. As part of the community service activity all the students are involved in campus cleaning, arranging and organizing the models in the respective departments, vermi-composting and maintenance of the herbal garden.

During teaching practice our students help the respective local schools in arranging for the practicals and also provide the schools with charts and models done by them. Avenues such as interdepartmental, intercollegiate, intramural sports and cultural activities are a regular feature for students to exhibit and develop skills with regard to the above.

Environmental awareness issues and other socially relevant themes are taken for debates, essay and poetry competitions and students are encouraged to present and participate. The Voters Awareness weeklong programmes ensured that the importance of voting is realised by the young citizens, the students of the institution. Awareness was enhanced through skits, elocution contests, poetry competition and a lecture. Thus the institution conducts activities to develop social and citizenship values and skills among the students.

3.5. Collaborations

3.5.1. Name the national level organizations, if any with which the institution has established linkages in the last five years. Detail the benefits resulted out of such linkages.

Being a Govt. Institution the institution is connected to many national organizations such as UGC, NCTE, NCERT, NUEPA, CIET/DIET.

The benefits which resulted out of the above mentioned linkages are that the institution is able to get funds under different schemes regularly from UGC. In-service and orientation programmes are offered by the institution which are funded by NCERT, Central institute of Educational Technology (CIET), New Delhi and MHRD for the teachers. NUEPA regularly informs details of the various education and planning related activities through portal communications and receives feedback from the institution.

Being connected with the above said national level organizations benefits the institution to set wider objectives and know the current trends and administration at the national level.

3.5.2. Name the international organizations, if any, with which the institution has established linkages in the last five years. Detail the benefits resulted out of such linkages.

None till date but the panel of examiners for Ph.D are fixed through International linkages with the universities abroad.

3.5.3. How did the linkages if any constitute to the following:-

The linkages are mainly at national level however interactions with academic experts from Academic bodies and Universities abroad at International conferences has helped to ensure meaningful improvement in the following:

a.	Curriculum Development	To enhance the curriculum on par with the other institutions / university/ departments of education. To learn about the changing trends and challenges in Education. To modify the existing curriculum of our institution.
b.	Teaching	Exposure to linkages with other institutions and the policy perspectives, administration, decisions, fund allocation helps teachers of this institution to teach vital concepts with referential knowledge in terms of updation, developments and policy affairs.
c.	Training	Various training conducted by the organizations to the teachers of this institution, especially training / orientation /workshops offered by CIET, NUEPA respectively helps in acquiring updated knowledge in the field of education.
d.	Practice Teaching	Linkages with these organizations helps better in improving the practice teaching of teacher trainees in understanding the objectives of teacher education and to improve the existing knowledge on curricular framework through NCF, educational policies through NUEPA, prospective ideas on conducting of National and State level seminars through UGC etc.,

e.	Research	Linkages with national and international organizations extends comprehensive benefits in elaborate understanding of educational research. Varied topic selection, global references, adoption of innovative methods of research and statistical process are all the major highlights in research carried out by this institution.
f.	Consultancy	Consultancy services and training that are provided for the teacher trainees with respect to curricular areas, co-curricular and extracurricular activities such as YRC, yoga training, audio visual, model preparation, Co-ordinated research guidance are all the consultancy activities of this institutions.
g.	Extension	Extension activities are carried out by providing in-service training programmes for school teachers of Chennai, Thiruvallur, Kanchipuram Districts on content enrichment, curriculum development, etc., These are the topics on which orientation was given. Training programme on research methodology for DIET lecturers was conducted funded by MHRD. Workshop on SPSS was conducted as part of the In-service training programme funded by the MHRD.

h.	Publication	Awareness of publication has been developed through the linkages with the organization. Paper context in relevance with the organization, presentation formats, expected themes etc., were all the focus of development in the publication area.
I.	Student Placement	Linkages with national level organizations certainly helps teacher educators to guide the trainees to apply for good positions in various academic institutions at the national level and to guide them in preparing for various competitive exams like CTET, CBSE, NET, JRF, CSIR, etc. Exposure with happenings of placement, eligibility tests were of good benefit to extend guidance with regard to student placement.

**3.5.4. What are the linkages of the institution with the school sector?
(Institution-school-community networking)**

The major linkages of the institution with the school sector is that the teacher trainees are meant to take up teaching practice for 40 days in the schools other than this the institution is linked with schools to extend placement opportunities for the teacher trainees. Most of the research problems taken up by M.Ed, M.Phil students are related to school issues with the school children as population.

School based community service is extended during the teaching practice sessions and citizenship training camp sessions. M.Ed. and M.Phil. research work is mostly carried out in schools with school children as samples. Hence many schools and Head of Schools are contacted often and are in constant touch.

3.5.5 Are the faculty actively engaged in schools and with teachers and other school personnel to design, evaluate and deliver practice teaching? If yes give details.

Yes, the faculty of this institution is actively engaged in school related activities throughout the academic year. Teachers working in schools are invited to give demonstration classes for observation; they are often contacted for updating lesson plans. They are invited for workshops, in-service training programmes conducted by the institution.

The sampling area is school and in most instances teachers are taken as samples and sometimes administrators in many research studies of the M.Ed., /M.Phil. The Heads of institutions and Principals are contacted for research purpose.

3.5.6. How does the faculty collaborate with school and other college (or) university faculty?

The faculty members extend their collaborations in the following ways:

Many faculty members serve as Academic Council members, Interview board members, Resource persons in Orientation programmes/ In service programmes in schools; faculty members also serve as question paper setters, evaluators, curriculum reviewers and Members in Board of studies of other institutions, guest speakers, Chairing sessions in national and international seminars.

Similarly professors working in universities, NCERT and faculty members from other colleges are invited to this institution on different occasions like workshops, seminars, guest speakers and resource faculty, subject experts during in-service training programmes etc. Thus the faculty collaborates with school, college and university faculty members. Faculty members from Government colleges / Aided colleges / Universities act as members in Board of studies, Academic council and Governing body of our

college. Their valuable suggestions are taken-up for upgrading our syllabus and also for our administrative reforms.

3.6. Best Practices in research, consultancy and extension:-

3.6.1 What are the major measures adopted by the institution to enhance the Quality of Research, Consultancy and Extension activities during the last five years?

The major measures adopted by the institution to enhance quality of Research are as follows :

- Conducting orientation courses, guest lectures on introductory topics and important areas of research
- Organising Research Colloquiums periodically to monitor and assess the progress of research work of the M.Ed., and M.Phil., student.
- Conducting doctoral committee meetings periodically to monitor and assess the progress of research work of the Ph.D., students
- Conducting workshop / seminars on important areas of research
- Orienting M.Ed., and M.Phil., students to select their topics from different areas and carry out their research work .
- M.Ed., M.Phil., and Ph.D., students are given hands on experience in data analysis using statistical packages in classes and through special workshops.
- Classroom seminars are conducted on a regular basis, which forms a component in the internal assessment

- M.Ed., M.Phil., and Ph.D students are encouraged to participate and present papers in the State, National and International level seminars and conferences.

b) Consultancy and Extension activities

- Conduct workshops and training programmes for the School teachers of Higher Secondary level and Lecturers of DIET.
- Staff members serve as subject experts, repertoires, chairpersons in State, National and International level seminars and conferences.
- Recognised Ph.D., supervisors act as doctoral committee members and adjudicators for Ph.D., scholars registered with guides working in several State and Central Universities.
- Serve as item writers in Teacher Recruitment Board / Staff Selection Commission / Tamilnadu Public Service Commission etc.,
- Serve as evaluators, question paper setters and Board of Studies and Academic Council Members.

For quality research, motivation is wholeheartedly extended, faculty support and library reference is at the disposal of anyone inclined to do research. For extension activities the students are given opportunities to get awareness of social issues and to extend their services.

3.6.2 What are significant innovations/good practices in Research, Consultancy and Extension activities of the institution?

- M.Ed., M.Phil. and Ph.D., students are encouraged to choose innovative and contemporary titles for their research work.

- M.Ed., M.Phil., and Ph.D., students are encouraged to conduct experimental research, action research, case-study and book reviews
- Research colloquiums are being conducted on a periodical basis to discuss the shortcomings that arise during the course of research
- Research committee has been constituted to monitor and periodically assess the stability of research work carried out by the candidates
- Research committee regulates and ensures the quality of research work. Most of the research even at the M.Ed, M.Phil. level, students develop their own research tools. They are given quality guidance, help and support in the construction and validation of simple research tools. They are discouraged from using readily available tools.
- The staff are members of the Affiliation Grant Committee and inspect colleges newly established in this context
- Some members of the faculty are often a part of the visiting team to the colleges affiliated to TNTEU
- Dr.D.Ushalayaraj and Dr.G.Hemalatha have presented Research Papers in international conferences abroad.
- The members of the Faculty of Education are plenary speakers in National seminars organized by other state institutions and universities
- The Members of the Faculty serve as External Examiners for adjudicating the M.Phil. and Ph,D. theses and viva voce Examinations for various Universities in Tamilnadu and other Aided Colleges
- All the newly established colleges of education affiliated to Tamil Nadu Teachers Education University approach the faculty members of various departments of this institution for implementing innovative practices and student welfare measures in their institutions.

Additional Information to be provided by Institutions opting for Re-accreditation / Re-assessment

1. What are the main evaluative observations / suggestions made in the first assessment report with reference to Research Consultancy and Extension and how have they been acted upon?

Experts of the Reaccreditation committee suggested establishing and strengthening inter-institutional linkages at national and international levels.

Most members of the faculty are Visiting Team Members of NCTE

- They are members of the Affiliation Grant Committee and inspect colleges newly established in this context
- Some members of the faculty are often a part of the visiting team to the colleges affiliated to TNTEU
- The members of the Faculty of Education are plenary speakers in National seminars organized by other state institutions and universities
- The Members of the Faculty serve as External Examiners for adjudicating the M.Phil. & Ph.D. Thesis and Viva Voce Examinations for various Universities in Tamilnadu and other Aided Colleges

2. What are the other quality sustenance and enhancement measures undertaken by the institution since the previous assessment and accreditation.

- Research quality at M.Ed. and M.Phil. level has been improved by encouraging students to undertake experimental research develop and validate their own research tools.
- Library hours have been extended. It has been made a compulsory component in the practical component. The borrowing facility has been extended to 5-7 books per student.

- To enhance the quality of research by the staff and students of the institute, College Advisory Committee (the college council) and Research Review committee (RRC) regularly review and plan activities. Research colloquiums are conducted regularly to monitor research quality and to encourage meaningful research activities.
- The members of the faculty are all doctorates including the librarian and Physical Education Instructor. Most of the members of the faculty constantly strive to apprise themselves of the latest trends in education. They are active learners as most of them hold double Postgraduate degrees in more than two disciplines and some of them are undergoing post graduate studies in Psychology, Guidance and counselling. Most members of the Faculty are highly qualified and now subject experts and active members on various Boards of many educational institutions including DIET and DPI in various capacities.