



CURRICULUM VITAE

NAME: Rizwan Akram Rana

DESIGNATION: Professor and Chairman, Department of Science Education

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DATE OF BIRTH: February 05, 1960

RELIGION: Islam

I. Education

| Year | Degree/ Certificate | Institution |
|------|---------------------|-------------------------------------------------------|
| 2003 | Ph. D. in Education | University of the Punjab, Lahore, Pakistan |
| 1988 | M.A. Education | University of the Punjab, Lahore, Pakistan |
| 1986 | M. Sc. Physics | University of the Punjab, Lahore, Pakistan |
| 1981 | B. Sc. | Islamia University, Bahawalpur, Pakistan |
| 1978 | F. Sc. | Board of Intermediate and Secondary Education, Multan |
| 1975 | Matric | Board of Intermediate and Secondary Education, Multan |

II. Other Formal Training or Education

| Year | Name and Place | Type of Training | Certificate/ Diploma |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------|
| November 2007- October 2008 | The Centre for Science Education, University of Glasgow, Scotland, UK. | Fellowship | Post-doc |
| June-August, 2006 | Certificate in theoretical and practical aspects of measurement and research by Australian Council for Educational Research (ACER) organized at Institute of Education and Research, University of the Punjab, Lahore. | Certificate (Lead Trainer) | Certificate |

| Year | Name and Place | Type of Training | Certificate/Diploma |
|-------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------|
| April 04-14, 2000 | Workshop on use of SPSS as tool for data analysis, organized by Academy of Educational Planning and Management, Islamabad. | Certificate (Training on use of SPSS) | Certificate |
| March 19-28, 1994 | Workshop on Museum Education held at National Museum of Science and Technology, Lahore. | Material Development | Certificate |

III. Awards

Post-Doctoral Fellowship Phase-II, Higher Education Commission (HEC), Government of Pakistan at the Centre for Science Education, University of Glasgow, Scotland, UK, 2007-08.

IV. Un-published Research

A. Master Thesis

A survey of manpower facilities for science teacher education in Pakistan. Institute of Education and Research, University of the Punjab, Lahore.

B. Doctoral Dissertation

Effect of parents' socioeconomic status, students' self-concept and gender on science-related attitudes and achievement. Institute of Education and Research, University of the Punjab, Lahore.

C. Post-Doctoral Research

- 1) Relationship between Test Anxiety and Academic Achievement: Implications for Higher Education.(Presented in International Conference)
- 2) Attitudes, Learning and Problem Solving in Physics. .(Presented in International Conference)
- 3) Dimensions of Quality Assurance in Higher Education: Challenges for the Future. (Presented in International Conference)
- 4) Validation of Convergency Test

Following up some breakthrough work in the Centre at Glasgow, this new test was validated in schools by means of group interviewing.

- 5) Factors influencing Students' Attitudes towards Science
- 6) A study of Students' Self-concept towards Physics in Scotland.
- 7) Motivation and Science Performance.
- 8) Attitude and Science Performance

V. Publications

Chapter in Book

Rana, R. A. & Reid, N. (2009). Dimensions of Quality Assurance in Higher Education: Challenges for Future. In Abdul Raouf, Niaz Ahmad, and Riaz Qureshi (Eds.). *Quality in Higher Education: Challenges and Practices*. Lahore: University of the Punjab, pp.39-54.

Books (edited)

- i. Rana, R. A. (Author & Co-editor). (March 2009). *Rahnuma barai amla khawandgi*. Government of the Punjab, Department of Literacy and Non-Formal Basic Education.
- ii. Rana, R. A. (Editor & Co-editor). (March 2009). *Amla Hisab: Barai bunyadi khawandgi*. Government of the Punjab, Department of Literacy and Non-Formal Basic Education.
- iii. Rana, R. A. (Editor & Co-editor). (March 2009). *Khawandgi ki pehli kitab: Bunyadi khawandgi Nisab (Hisa Doim)*. Government of the Punjab, Department of Literacy and Non-Formal Basic Education.
- iv. Rana, R. A. (Co-editor). (March 2009). *Khawandgi Qaida: Bunyadi Khawandgi Nisab (Hisa Awal)*. Government of the Punjab, Department of Literacy and Non-Formal Basic Education.

VI. Research Papers Published in Journals:

A. In English Language

- The relationship between Test Anxiety and Academic Achievement. (2010). *Bulletin of Education and Research*, 32 (2), 63-74.
- Secondary School Science Teachers' Views about the 'Nature of Science'. (2009). *Bulletin of Education and Research*, 31 (2), 29-44.
- Effect of stress on students' self-esteem. (2007). *PUTAJ Humanities and Social Sciences*, 14, 141-162.
- Relationship between classroom learning environment and students' achievement in higher education. (2007). *Journal of Elementary Education*, 17 (2), 83-90.
- Effect of students' self-concept and gender on academic achievement in science. (2005). *Bulletin of Education and Research*, 27 (2), 19-36.
- Factors that make Learning Environment more attractive for students at Campus of Higher Education. (2005). *The Educationist: Research Journal*, 3, 1, 12-18.
- Relationship between post-graduate science students' achievement in theory and practical examination: A dimension to assess quality of higher education. (2004). *Bulletin of Education and Research*, 26 (1), 41-47.
- How to arrange good governance at school level: steps and measures. (2003). *Ta'leemat*, 18(1-2), 15-30.
- The humanistic approaches to learning. (2002). *Ta'leemat*, 17(2-3), 18-29.
- Effect of medium of instruction on students learning. (2002). *Journal of Elementary Education*, 12 (1-2), 131-137.
- Student motivation for learning. (1998-99). *Bulletin of Education and Research*, XX (1-2), 105-116.

- Need of environmental education in Pakistan. (1997). *Bulletin of Education and Research*, XIX (1), 92-98.

B. In Urdu Language

- Educational System of United States of America. (2001). *Ta'leemat*, 16(4), 25-43.
- Comparison of teacher status in United State of America, UK and Pakistan. (October, 2000). *Ta'leemi Zavva*, 11 (3), 103-106.
- Teaching of Physics in Islamic perspective. (January, 2000). *Ta'leemi Zavva*, 10 (4), 60-64.
- Future Studies and Education for the Future. (April, 1999). *Ta'leemi Zavva*, 10 (1), 70-78.

VII. Research Projects:

| Projects Title | Responsibility | Amount (in Million Rs.) | Sponsoring Agency | Period |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------|----------------------------------|---------------|
| 1. Policy study on Katchi class for admitted and unadmitted students in Punjab | Team Member | Rs. 2.9 million | UNICEF, Lahore | 2007 |
| 2. Evaluation Study of the Continuous Professional Development (CPD) Programme for Teachers Implemented by the Directorate of Staff Development (DSD) | Team Member | Rs. 1.2 million | UNICEF, Lahore | 2009 |
| 3. Baseline Survey of Connecting Classroom Schools in Pakistan-phase I. | Team Member | Rs. 1.1 million | British Council, Pakistan | 2009 |
| 4. Development of Literacy Primer and Modules for Department of Literacy and Non-Formal Basic Education, Government of the Punjab | Co-Principal | Rs. 1.0 million | UNESCO | 2009 |
| 5. Using Portfolio to Assess Teachers' Implementation of the National Professional Standards for Teachers in Pakistan | Team Member | Rs. 5.8 million | PEC/UNICEF, Lahore | 2011 |
| 6. Baseline Survey of Connecting Classroom Schools in Pakistan-Phase II. | Team Member | Rs. 0.59 million | British Council, Pakistan | 2010 |
| 7. Baseline Survey of International Inspiration Project | Team Member | Rs. 1.92 million | British Council, Pakistan | 2011 |
| 8. Development of Minimum Quality Standards (MQS) for colleges in Pakistan | Co-Principal | | DFID-HEC | 2012 |
| 9. Effect of hands-on activities on science students' attitude toward science | Principal | 0.15 million | University of the Punjab, Lahore | 2010-on going |
| 10. Development of Reflective Practitioners: A case of new B.Ed (Hons) classroom | Principal | 0.724 million | Pre-STEP | 2011-on going |

VIII. PROFESSIONAL EXPERIENCE

| | |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| June 04, 2008-present | Professor Institute of Education and Research, University of the Punjab, Lahore. |
| September 10, 2003-June 03, 2008 | Associate Professor, Institute of Education and Research, University of the Punjab, Lahore. |
| August 10, 2003-September 09, 2003 | Assistant Professor, Institute of Education and Research, University of the Punjab, Lahore. |
| October 10, 1990- August 09, 2003 | Lecturer in Science Education, Institute of Education and Research, University of the Punjab, Lahore. |
| December 18, 1988-October 09, 1990 | Research Officer, Department of Science Education, Institute of Education and Research, University of the Punjab, Lahore. |
| October 22, 1988-December 17, 1988 | Senior Science Teacher, University Laboratory School, Institute of Education and Research, University of the Punjab, Lahore. |

IX. M.Phil. /Ph.D. Research Supervision/Evaluation

| S. No. | Student Name | Title of Research | Year of Graduation/ Status |
|--------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 1 | Afifa Khanum | Effect of religious education on the moral development of children | 2010 (PhD) |
| 2 | Nighat Sana Kirmani | Assessing effectiveness of the curriculum package based on 5E instructional model in improving levels of cognitive outcomes, enhancing scientific reasoning and developing science related attitudes | 2011(PhD) |
| 3 | Sadia Iqbal | The effect of video instructions on socialization of students with mental retardation | 2011(PhD) |
| 4 | Muhammad Shafiq | Relationship of college teachers' emotional intelligence and self-efficacy with organizational commitment | PhD Thesis under evaluation |
| 5 | Zahida Parveen | The effect of instructions based on 5E instructional model on achievement in science of elementary students with hearing impairment | PhD Thesis under evaluation |
| 6 | Mudassar Altaf | Relationship between laboratory skills and students' perception about teaching-learning environment in chemistry at intermediate level | PhD Thesis under evaluation |

| S. No. | Student Name | Title of Research | Year of Graduation/ Status |
|---------------|----------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------|
| 7 | Allah Rakha | A study of cognitive characteristics in particle physics students in Pakistan at Master level | 2010 (MPhil) |
| 8 | Muhammad Inam UI Haq | Study the relationship between students' creative ability and their achievement in science at grade 7 | PhD in process |

X. Administrative Experience

- I. Chairman, Department of Science Education, Institute of Education and Research, University of the Punjab, November 2008 onward.
- II. Secretary, Doctoral Program Committee, Institute of Education and Research, University of the Punjab, November 2008 onward.
- III. Chairman, Purchase Committee, Institute of Education and Research, University of the Punjab, November 2006—2007 & 2008-2010.
- IV. Coordinator, University of the Punjab for Pre-Service Teacher Education Program (Pre-STEP), A project of USAID, Higher Education Commission (HEC) and Ministry of Education, Pakistan, September 2009 onward.
- V. Chairman, Students Affairs Committee, Institute of Education and Research, University of the Punjab, 2006-07.

XI. SEMINARS/WORK-SHOPS/CONFERENCES (INTERNATIONAL LEVEL)

| Date/s | Activity | Status |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| February 15-17, 2011 | 1 st International Conference on Exploring Leadership and Learning Theories in Asia” held at Universiti Sains Malaysia (USM), Penang, Malaysia | Participated as Resource Person and presented paper on “Motivation and Science performance: Influence on science teaching and learning”. |
| October 21-23, 2010 | 3 rd International Conference on “Education in Pakistan: Issues, Challenges and Reforms” organized by Faculty of Education, University of the Punjab, Lahore. | Member, Organizing Committee, Member, Abstract Review Committee, Presented paper on “ Relationship between students’ academic achievement and perceptions about laboratory skills in Physics: Implications for physics teaching and learning” and “ Exploring students’ belief about physics and learning physics in higher education |
| December 03, 2008 | 01- 2 nd International Conference on “Assessing Quality in Higher Education” organized by Institute of Quality and Technology Management, University of the Punjab in collaboration with HEC, University of the Punjab, and University of Management and Technology held at Lahore, Pakistan. | Participated as Resource person and presented Paper on “Dimensions of quality assurance in higher education: Challenges for the future”. |
| September 26, 2008 | 21- 13 th IOSTE (International Organization for Science and Technology Education) Symposium on “The use of Science and Technology Education for the Peace and Sustainable Development” organized by Buca Faculty of Education, Dokuz Eylul University, Izmir-Turkey, from held at Pine Bay Holiday Resort-Kusadasi-Izmir-Turkey. | Participated as Resource person and presented Paper on “Relationship between Test Anxiety and Academic Achievement: Implications for Higher Education”. |

| Date/s | Activity | Status |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| September 04-05, 2008 | Physics Higher Education Conference 2008 organized by Higher Education Academy Physical Science Centre and Physics Innovations Centre for Excellence in Teaching and Learning held at University of Edinburgh, Scotland, UK. | Participated as Resource Person and presented a paper on “Attitudes, Learning and Problem Solving in Physics”. |
| June 07, 2008 | “3 rd Chartered Teachers National Conference: Shaping the future of teaching in Scotland in National and International Perspective” organized by General Teaching Council, Scotland in collaboration with The Scottish Government at Edinburgh, Scotland, UK. | Participant |
| May 21, 2008 | Seminar on “Enquiry and problem based learning” organized by Higher Education Academy Physical Science Centre at University of Birmingham, UK. | Participant |
| May 14, 2008 | Participated in the seminar on “Enhancing the experience of entrant physics students” organized by Higher Education Academy Physical Science Centre at Royal Society of Edinburgh, Scotland, UK. | Participant |
| April 02, 2008 | “ Animation and Simulations Special Interest Group Meeting” organized by Higher Education Academy Physical Science Centre at Centre for Effective Learning in Science (CELS) Nottingham Trent University, Nottingham, UK. | Participant |
| March 28, 2008 | 1 st Annual University of Glasgow Learning and Teaching Conference on Assessment and Feedback” organized by Learning and Teaching Centre, University of Glasgow, Scotland, UK. | Participant |
| March 27, 2008 | One day conference on “Scholarship of Teaching and Learning (SoTL) Symposium on Enquiry Based Learning” Learning and Teaching Centre University of Glasgow, Scotland, UK. | Participant |

| Date/s | Activity | Status |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| March 19, 2008 | Seminars on (i) “The research-teaching nexus: the voice from academics in research - intensive universities” and “More than inquiring minds? Research-teaching linkages, and (ii) graduate attributes in the Arts, Humanities and Social Sciences” organized by Learning and Teaching Centre, University of Glasgow, Scotland, UK. | Participant |
| July 13, 2007 | UNESCO International Policy Forum held in Perth, Australia. (Report of the Forum is commissioned by UNESCO in November 2007). | Participated in the Forum to develop a set of modern, concrete and practical directions for policy-making in Science and Technology Education (STE). |
| July 08-12, 2007 | 2007 World Conference on “Science and Technology Education” Organized by ICASE held at Perth, Australia. | Participated as Resource person and presented Paper on “Effect of Parental Socioeconomic status and students gender on science achievement”. |
| December 11-13, 2006 | 1 st International Conference on “Assessing Quality in Higher Education” organized by Institute of Quality and Technology Management, University of the Punjab in collaboration with HEC, UNESCO and Asia Pacific Quality Network held at Lahore, Pakistan. | Participated as Resource person and presented Paper on “Relationship between classroom learning environment and students’ achievement in higher education”. |
| August 16-23, 2005 | International Seminar on “ Trends and Prospects of Higher Education in Pakistan” organized by HEC, FAPUASA, University of Peshawar and Peshawar University Teacher Association held at University of Peshawar Bare Gali Summer Campus, Abbottabad. | Participated as Resource and presented Paper on “Effect of stress on students’ self-esteem” |
| May 17-18, 2005 | Regional Seminar on “Inclusive Education” organized by Department of Special Education, University of the Punjab in collaboration with UNESCO and International Study System. | Participated as Resource person and presented Paper on “Students’ Assessment: Ways and means for Inclusive Education”. |

| Date/s | Activity | Status |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| April 08, 1997 | 10 th ICASE-Asian Symposium for the Promotion of Science and Technology Education organized by UNESCO-ICASE-PASE held at Institute of Education and Research, Punjab University, Lahore. | Participated as Member organizing Committee, and presented paper on “Effect of medium of instruction on students learning”. |
| April 1997 | 04-08, Workshop on Science, Technology and Environmental Education organized by UNESCO-ICASE-PASE held at Institute of Education and Research, Punjab University, Lahore. | Participant |

XII. SEMINARS/WORK-SHOPS/CONFERENCES (NATIONAL LEVEL)

| Date/s | Activity | Status |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| July 10-12, 2012 | Training workshop for NACTE External Evaluators organized by USAID Teacher Education Project in collaboration with National Accreditation. | Participant |
| July 03-06, 2012 | Second National Seminar: Researching teacher education data management and analysis. | Participated as Principal Investigator |
| April 22, 2012 | 3 rd meeting of the HEC National Committee for Review of Courses in Education held in Lahore | Participated as expert for the course “Classroom Assessment”. |
| March 26-28, 2012 | 2 nd Science Professional Development Institute for University faculty organized by Pre-STEP Islamabad held at DSD, Lahore | Participated as expert for the course “General Science”. |
| March 03, 2012 | 2 nd meeting of the HEC National Committee for Review of Courses in Education held in Karachi | Participated as expert for the course “General Science”. |
| January 31, 2012 | 1 st meeting of the HEC National Committee for Review of Courses in Education held in Karachi | Participant |
| February 02-03, 2011 | Strategic planning: Inception workshop for the university core teams in Lahore | Participant |
| January 12-13, 2011 | Workshop on Rubrics to protocols: guiding prospective teachers in ADE/B.Ed. Elementary | Participant |

| Date/s | Activity | Status |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| November 12, 2010 | Rubrics Development Workshop on Graded Coursework Semester-1 Courses of ADE/ B.Ed. (Hons) in Lahore | Participant |
| October 5, 2010 | A session on deciding course grading policy for ADE/B.Ed. (Hons) in Lahore | Participant |
| August 28-30, 2010 | Development of material for Trainers and Teachers of Elementary level in Concepts and Techniques at DSD. | Participated as Resource person for material development for the subject of Classroom Assessment |
| August 16, 2010 | Meeting of the Core group for the launch of ADE/B.Ed. in Punjab | Participant |
| August 05-10, 2010 | Summer Workshop for Professional development of the Faculty of. the Piloting Universities and Colleges in First Phase of ADE/B. Ed. (Hons) in Gilgit-Baltistan | Participated as Resource person |
| July 26-31, 2010 | Summer Workshop for Professional development of the Faculty of. the Piloting Universities and Colleges in First Phase of ADE/B. Ed. (Hons) in Lahore | Participated as Resource Person |
| July 21-24, 2010 | Facilitator training and workshops to prepare for the implementation of Phase 1 of the B. Ed. Elementary/ADE in AY 2010/11. | Participant |
| July 05-06, 2010 July 12, 2010 July 15, 2010 | Four week workshop for professional competency program for teachers (PCEPT) of HEC, organized by Dean, Faculty of Education, University of the Punjab, Lahore. | Participated as Resource Person |
| July 08, 2010 | Provincial Pre-STEP Group Meeting according to Action Plan discussed in Islamabad Meeting on June30-July 01, 2010. | Participant |

| Date/s | Activity | Status |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| June 30-July 01, 2010 | Meeting on Piloting ADE, Islamabad | Participant |
| June 09, 2010 | One day Syllabi writing meeting organized by Pre-STEP, Islamabad. | Participant |
| May 11-14, 2010 | Pre-STEP Research Workshop: Key to writing a successful research proposal | Participant |
| April 05-10, 2010 | National Curriculum Workshop: Writing Syllabi for the Associate Degree in Education (ADE), organized by Pre-STEP in Holiday Inn, Lahore. | Participant |
| March 24-26, 2010 | National Curriculum Review Committee (NCRC) HEC workshop to finalize the Scheme of Studies for ADE/ B. Ed. (Hons) degree programs at HEC Regional Centre in Lahore. | Participant |
| March 17-20, 2010 | Curriculum Development Workshop to draft Scheme of Studies for Two new degree programs: ADE/B. Ed. (Hons.) in Islamabad. | Participant |
| March 11-13, 2010 | National Workshop: An Innovative Approach to Research Design, organized by Pre-STEP in Lahore | Participant |
| March 03, 2010 | Orientation meeting on Cataloguing Research Studies on Teacher Education organized by Pre-STEP in Karachi | Participant |
| January 18-19, 2010 | Punjab Provincial Workshop on Developing Rubrics for the National Professional Teachers Standards, Lahore | Participant |
| December 08-12, 2009 | Curriculum Development Workshop: Designing and aligning of teacher education curriculum in the context of international models in Islamabad | Participant |
| October 01-03, 2009 | “National Workshop on Teacher Standards” organized by Pre-STEP, Islamabad. | Participated as Coordinator, Pre-STEP |

| Date/s | Activity | Status |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| September 15-16, 2009 | 2 nd Meeting of Provincial Advisory Committee, Pre-STEP Punjab for “Analytical study on existing Pre-service Teacher Education Programs. | Participated as Coordinator, Pre-STEP |
| August 2009 | 04-07, Workshop on “Leadership and Organizational change in Higher Education” organized by Pre-STEP Pakistan in Murree. | Participant |
| May 09, 2009 | National Conference on Draft Education Policy:2009 organized by Department of Education, Faculty of Social Sciences, International Islamic University, Islamabad. | Participant |
| April 2009 | 09-10, Third National Stakeholder Conference to share and disseminate the results of National Assessment-2008 organized by NEAS held at Islamabad. | Participant |
| March 2009 | 25-28, Information dissemination workshop organized by NEAS held at Islamabad. | Participant |
| September 26, 2007. | 24- Workshop To Review/Upgrade Laboratory Equipment for Secondary Level organized by National Educational Equipment Centre, Ministry of Education Government of Pakistan held at Lahore. | Resource person |
| August 2007 | 9-18, Workshop on Multilevel Modeling (MLM) and Data Analysis Workshop under NEAS organized by Provincial Educational Assessment System Punjab held at Lahore. | Participant |
| August 2007. | 8-9, Second National Stakeholder Conference to share and disseminate the results of National Assessment-2006 organized by NEAS held at Islamabad. | Participant |
| April 2007 | 16-17, National Conference on “Changing Role of Teacher in the Era of Globalization” organized by Institute of Education and Research, University of the Punjab in Collaboration with HEC and CP-BEP held at Lahore. | Secretary, Organizing Committee and presented a paper on “Effect of teacher’s job satisfaction on students achievement”. |

| Date/s | Activity | Status |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| February 22-23, 2007 | National Research Symposium 2007 on Teacher Status organized by The Agha Khan University Institute for Educational Development, The Agha University, Karachi. | Participant |
| January 16-18, 2007. | National Conference on “Professional Development of Teachers in Higher Education in Pakistan” organized by National Academy of Higher Education, HEC, held at Islamabad | Participated as resource person and presented paper on “Factors that make Learning Environment more attractive for students at Campus of Higher Education”. |
| June 19-August 12, 2006 | In-Country Certificate Course on Testing and Assessment for Lead Trainers organized by Institute of Education and Research, University of the Punjab, Lahore under National Educational Assessment System in collaboration with Australian Council for Educational Research (ACER) Australia. | Participant |
| March 21, 2006 | First National Stakeholder Conference-2006 for dissemination organized by NEAS held at Islamabad. | Participant |
| May 07-9, 2005 | Workshop on “ Finalization of Material for Science Kit organized by Science Education Center, Science Education Project –Phase II, Government of the Punjab. | Participated as Expert |
| August 11, 2004 | Workshop organized by Professional and Management Development Department, Government of the Punjab. | Participated as Resource Person and delivered lecture on “Assessment and Evaluation Techniques and Self-Appraisal”. |
| April 03, 2003 | Second National Workshop on “Managing Education: under the Devolution of Power to the District Government” held at Lahore organized by the Academy of Educational Planning and Management, Islamabad. | Participated as Resource Person and presented paper on “How to arrange Good Governance at School Level: Steps and Measures”. |

| Date/s | Activity | Status |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| April 2000 | 04-14, Workshop on use of SPSS as tool for data analysis, organized by Academy of Educational Planning and Management, Islamabad. | Participant |
| June 21, 1999 | Seminar on Educating out of School Children, organized by Prime Minister's Literacy Commission, Government of Pakistan held at Lahore. | Participant |
| March 1994 | 19-28, 10-day workshop on Museum Education held at National Museum of Science and Technology, Lahore. | Participant |
| April 1992 | 02-05, National Seminar for the Promotion of Science and Technology Education held at Institute of Education and Research, Punjab University, Lahore | Participated as Member Organizing Committee. |

XIII. SEMINARS/WORK-SHOPS/CONFERENCES (*University/Department level*)

| Date/s | Activity | Status |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| May 25, 2009 | Seminar on National Education Policy Review and Reflections organized by Faculty of Education, University of the Punjab, Lahore. | Group Coordinator |
| August 2007. | 28-30, Workshop on Provision of Supplementary Reading Material (SRM) for Schools in Punjab, under Punjab School Library Projects (PSLP) organized by Institute of Education and Research, University of the Punjab, Lahore. | Expert in Science and Mathematics |
| July 2007. | 26-27, Workshop on HIV/AIDS Preventive Education for Teachers in collaboration with UNESCO organized by Institute of Education and Research, University of the Punjab, Lahore. | Participant |
| July 2007. | 18-19, Workshop on Provision of Supplementary Reading Material (SRM) for Schools in Punjab, under Punjab School Library Projects (PSLP) organized by Institute of Education and Research, University of the Punjab, Lahore. | Expert in Science and Mathematics |

| Date/s | Activity | Status |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dec 06, 2005 Nov 26, 2005 Sep 22, 2005 Sep 15, 2005 Sep 13, 2005 July 06, 2005 May 30, 2005 | HEC Faculty Development Program conducted by Institute of Education and Research, University of the Punjab, Lahore. | Participated as Resource Person and Presented lecture on Types & Characteristics of Research |
| August, 2003 to April 2005 (Total:10) | A series of Two Weeks Training Workshops for Headmasters, Principals, and Subjects Specialists of Government Institutions organized by Department of Science Education, Institute of Education and Research, University of the Punjab, Lahore in collaboration with Science Education Project Phase-II, Government of the Punjab. | Participated as Resource Person and Delivered lectures on “Motivating science teachers and students; Evaluating students learning; Test-item construction; Managing good governance in schools”; “Role of museum in science teaching and learning”. |
| June 15, 2005 | Seminar on “Curriculum and National Demands” organized by Alumni Association, Institute of Education and Research, University of the Punjab, Lahore. | Participant |
| Feb 10, 2005 | Seminar on “Quality in Teacher Education” organized by Alumni Association, Institute of Education and Research, University of the Punjab, Lahore. | Participant |
| June 15, 2004 | Seminar on “Educational Reforms” organized by Alumni Association, Institute of Education and Research, University of the Punjab, Lahore. | Participant |
| August 23, 2003 | Teacher Training Workshop organized by Divisional Public School and Inter College, Lahore | Participated as Resource Person and delivered a lecture on Teaching Methodology (Discovery Learning and Cooperative Teaching) |
| January 23-24, 2003 | Seminar on “School Leadership” organized by The Educators, Lahore. | Participant |

| Date/s | Activity | Status |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| June 02, 2002 | Seminar on “New Examination System of Present Government” organized by Alumni Association, Institute of Education and Research, University of the Punjab, Lahore. | Participant |
| February 04, 2002 | Seminar on “Teacher Education in Pakistan” organized by Alumni Association, Institute of Education and Research, University of the Punjab, Lahore. | Participant |
| February 14-21, 2002 | Seven-day workshop on “A Review of Contemporary Research Paradigms” organized by International Institute of Islamic Thought and Sohail Iftikhar Research Institute, University of the Punjab, Lahore. | Participant |
| June 17, 1997 | Faculty Development Workshop Series 1997 organized by Academic Staff Association, University of the Punjab, Lahore. | Participant |
| March, 1997 | Workshop on “Qualitative and Quantitative Evaluation techniques in support of evaluation studies of the impact of technical inputs in the quality component of PMSP” organized by Institute of Education and Research, University of the Punjab, Lahore. | Participant |
| March 02-04, 1991 | Annual Conference of Pakistan Institute of Physics held at Punjab University Lahore | Participant |

XIV. MEMBERSHIP OF PROFESSIONAL BODIES/ SOCIETIES

| Date | Membership |
|------------------------------|-----------------------------------------------------------------------------------------|
| March, 2007 to date | Senate, University of the Punjab, Lahore |
| November 2008 to-date | Academic Council, University of the Punjab, Lahore |
| November 2008 to-date | Faculty Council, Institute of Education and Research, University of the Punjab, Lahore. |
| May 04, 2006 to May 03, 2009 | Committee of Courses in Science Education, Allama Iqbal Open University, Islamabad. |
| 2003 to-date | Doctoral Program Committee, IER, University of the Punjab, Lahore. |
| 2001-2003 | Board of Faculty of Education, University of the Punjab, Lahore. |
| 2001 to-date | Board of Studies in Education, University of the Punjab, Lahore. |
| 1990 to-date | Member Pakistan Association for Science Education |
| 1989 to-date | Member, Pakistan Institute of Physics |

XV. EXAMINATION/EVALUATION/MONITORING OF EXAMINATION

- As one of the Team Leader, participated in the Monitoring of L.L.B. Part-I/Part-II, & B. Com. Part-I Examination 2004 conducted by University of the Punjab, Lahore from August 07, 2004 to August 31, 2004.
- As one of the Team Leader, participated in the Monitoring of M.A. /M. Sc. Part-II Examination 2004 conducted by University of the Punjab, Lahore from July 17, 2004 to August 20, 2004.
- As one of the Team Leader, participated in the Monitoring of M.A. /M. Sc. Part-I Examination 2004 conducted by University of the Punjab, Lahore from June 22, 2004 to July 08, 2004.
- As one of the Team Leader, participated in the Monitoring of B.A. /B. Sc. Examination 2004 conducted by University of the Punjab, Lahore from March 25, 2004 to April 20, 2004.
- External examiner, University of the Punjab for B. S. Education degree programs in different academic sessions.
- External examiner, University of Education, Lahore.
- External examiner, University of the Punjab for the Subject of Teaching of Physics (B. Ed. degree program) for academic session's 2002 to-date.

- External examiner, Islamia University, Bahawalpur for the Subject of Teaching of Physics (B. Ed. degree program) for academic sessions 2002 & 2003.

XVI. EDITORIAL EXPERIENCE

Working as Editor, Bulletin of Education and Research from 2008

Worked as Editor, Ta'leemat from 2000-2005

XVII. COMPUTER SKILL:

Microsoft Word, Microsoft Excel, Power Point, Statistical Package for Social Sciences (SPSS).

XVIII. PROFICIENCY OF LANGUAGES

| Language | Reading | Writing | Speaking |
|-----------------|----------------|----------------|-----------------|
| English | Excellent | Excellent | Good |
| Urdu | Excellent | Excellent | Excellent |
| Punjabi | Good | Good | Excellent |