# **LIST OF TABLES**

Table No.	Description	Page No.
2.1	Summary of Researches on Skills (Life Skills, Creative Thinking, Problem Solving and Decision-Making Skills)	77
2.2	Summary of Researches on Reflective Teaching Practices	84
3.1	Name of B.Ed. Colleges/Institutes Affiliated to GGSIP University	94
3.2	Cronbach's Alpha range	96
3.3	Scoring Pattern of Questionnaire for Reflective Teaching Practice	97
3.4	Skills and their Dimensions	97
3.5	Scoring Pattern of Questionnaire for Creative Thinking, Problem-Solving and Decision-Making Skills	98
4.1	Result of Identified Reflective Teaching Practices	103
4.2	Mean, Median, Quartiles and Standard Deviation of Reflective Teaching Practices	109
4.3	Mean, Median, Quartiles and Standard deviation of Creative Thinking Skills	110
4.4	Mean, Median, Quartiles and Standard deviation of Problem- Solving Skills	111
4.5	Mean, Median, Quartiles and Standard deviation of Decision-Making Skills	112
4.6	t -value and p value of Creative Thinking Skills and Reflective Teaching Practices	114

4.7	Correlation Co efficient of Creative Thinking Skills and Reflective Teaching Practices	115
4.8	t -value and p value of Problem-Solving Skills and Reflective Teaching Practices	116
4.9	Correlation Co efficient of Problem Solving-Skills and Reflective Teaching Practices	117
4.10	t -value and p value of Decision-Making Skills and Reflective Teaching Practices	118
4.11	Correlation Co efficient of Decision-Making Skills and Reflective Teaching Practices	119
4.12	Correlation Coefficient of Reflective teaching practices with Creative Thinking, Problem-Solving and Decision-Making Skills	119
4.13	Regression model summary	120
4.14	Regression model summary	121
4.15	Mean Value of Residuals	122
4.16	Showing Variance of Independent Variables	122
4.17	Result of Variable Tolerance Function (VIF)	124
4.18	Result of Durbin Whatson Test performed to check Autocorrelation	125
4.19	Regression Model	126

## **LIST OF FIGURES AND GRAPHS**

Figure No.	Description	Page No.
1.1	Characteristics of Reflective Teacher	22
1.2	Tools for Reflective Practices	23
1.3	Core Groups of Life Skills	26
1.4	Steps of Creative Thinking	32
1.5	Techniques to Enhance Creative Thinking	33
1.6	Primary Steps in Problem Solving	39
1.7	Steps to Enhance Problem Solving Skills	40
1.8	Steps in Decision Making	43
1.9	Techniques to Improve Decision Making	46
2.1	Significance of review of related literature	55
3.1	Process of Development and Implementation of Tool	95
Graph 4.1	Pie chart showing result of Reflective Teaching Practices I	104
Graph 4.2	Pie chart showing result of Reflective Teaching Practices II	104
Graph 4.3	Pie chart showing result of Reflective Teaching Practices III	105
Graph 4.4	Pie chart showing result of Reflective Teaching Practices IV	105
Graph 4.5	Pie chart showing result of Reflective Teaching Practices V	106
Graph 4.6	Pie chart showing result of Reflective Teaching Practices VI	106

Graph 4.7	Pie chart showing result of Reflective Teaching Practices VII	107
Graph 4.8	Pie chart showing result of Reflective Teaching Practices VIII	107
Graph 4.9	Pie chart showing result of Reflective Teaching Practices IX	108
Graph 4.10	Pie chart showing result of Reflective Teaching Practices X	108
Graph 4.11	Pie chart showing result of Reflective Teaching Practices XI	109
Graph 4.12	Histogram of reflective teaching practices	110
Graph 4.13	Histogram of creative thinking skills	111
Graph 4.14	Histogram of Problem-Solving skills	112
Graph 4.15	Histogram of Decision-Making skills	113
Graph 4.16	Scatter Plot of Reflective Teaching Practices and Creative Thinking Skills	114
Graph 4.17	Scatter Plot of Reflective Teaching Practices and Problem- Solving Skills	116
Graph 4.18	Scatter Plot of Reflective Teaching Practices and Decision- Making Skills	118
Graph 4.19	Correlation Coefficient of Reflective Teaching Practices with Creative Thinking, Problem Solving and Decision-Making Skills	119
Graph 4.20	Coefficient of Predictor's Variable	121
Graph 4.21	Histogram of Residuals	123
Graph 4.22	Regression Line of Residuals	123
Graph 4.23	Residual Variance	124

### **ABBREVIATIONS**

B.A. Bachelors of Arts

B.Ed. Bachelors in Education

B. El. Ed. Bachelors in Elementary Education

B.Sc. Bachelors of Science

CBSE Central Board of Secondary Education

D. El. Ed. Diploma in Elementary Education

DIET District Institute of Education and Training

DPSE Diploma in Pre- School Education

GGSIPU Guru Gobind Singh Indraprastha University

GNCT Government of National Capital Territory

M.Ed. Masters in Education

NCF National Curriculum Framework

NCFTE National Curriculum Framework for Teacher Education

NCTE National Council for Teacher Education

NEP New Education Policy

NIPEA National Institute of Educational Planning and Administration

ODL Open and Distance Learning

SCERT State Council of Educational Research and Training

TEI Teacher Education Institutes

UNICEF United Nations Children's Fund

WHO World Health Organisation

#### **LIST OF PAPER PUBLICATION AND PRESENTATION**

#### Papers Published

- Paper entitled "Education 4.0- Role of Reflective Teaching as Key to Transition" in National Conference on "Industry 4.0 – Embracing change and Transformation" Published in Vol.36, No.(viii):2021 Kalyan Bharti with ISSN:0976-0822 UGC-CARE List Group I.
- Paper entitled "A Study of Relationship between Creative Thinking Skills and Reflective Teaching practices of Teacher Trainees" published in Turkish Online Journal of Qualitative Inquiry (TOJQI)e-ISSN1309-6591 Volume 12, Issue 9, August 2021.7144-7150.
- Paper entitled "An Analytical Study of Problem-Solving Skills in Relation to Reflective Teaching Practices Used by B.Ed. Teacher Trainees" published in Journal of Management & Entrepreneurship ISSN 2229-5348 Volume 16, No.1(IX), January-March 2022. UGC Care Group 1 Journal.

#### **Papers Presented**

- Presented paper titled "Global Challenges and Need for Peace and Value Education to attain Sustainable Development" in an international conference on Learning ICL 2018 Learning for Empowerment organised by Department of Education, Lady Irwin College, University of Delhi, from 28-30<sup>th</sup> September, 2018.
- Presented paper titled "Participatory Research: Perspectives in education" in an international conference sponsored by MHRD and organized by University School of Education, GGSIP University held from 22-24<sup>th</sup> January, 2019.
- Presented a paper titled "Life Skills Education: An Effective Tool for Empowering Teachers and Students" in an international conference organized by LLDIMS on 30<sup>th</sup> March, 2019.
- Presented paper titled "Need and Importance of Reflective Teaching Practices and Creative Thinking Skills for the future Education" National Conference Organized by Delhi Teachers' Training College Affiliated to GGSIP University on 25th June 2020.

- Presented paper entitled "Role of Reflective Teaching and Reflective Teaching Practices for academic excellence" National Conference organized on 17th October 2020 by Sri Ram Institute of Teacher Education, Affiliated to GGSIP University.
- Presented a paper titled "Education 4.0- Role of Reflective Teaching as Key to Transition" in National Conference on "Industry 4.0 – Embracing change and Transformation" held at Lingaya's LDIMS, Affiliated to GGSIP University on 13<sup>th</sup> March 2021.
- Presented a paper titled "Relationship between Problem Solving Skills and Reflective Teaching Practices of the teacher Trainees" in International Conference on "Equality, Diversity and Inclusivity: Issues and Concerns" organized by School of Education and School of Humanities Lovely Professional University, on 25<sup>th</sup> September 2021.