Development of Continuous Comprehensive Evaluation (CCE) Program and Studying its Effectiveness

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Background:

In Modern age evaluation process is the contribution of Psychology and Science of Education. Man's life is worthless without evaluation. Evaluation process starts from birth till death. Today evaluation is not only necessary in the field of education but also in every sector of our life. Before evaluating the work done in past the future work cannot be started.

University Commission(1902) Kolkatta University Commission(1919) Hartog Samiti(1929) ⇒ Abattoir Report (1937) Sargent Report University education commission(1948) ⇒ Secondary education $commission(1952) \implies Kothari commission(1964)$ SABAC Samitee(1970) Narsinghrao Samitee(1986) National Educational Policy(1986) education curriculum(1988) ⇒ Dr. Dave Report Shrivastav Commission Report(1992) ⇒ Rammurti Samitee(1996) \Longrightarrow NCP 2005 \Longrightarrow RTE 2009 CCE 2010. This is the history of evaluation from 1835 to 2010.

A vast attitude should be developed about evaluation in constructivism. Learning output of every student is different, So objective for every student is different According to Jonassen (1996). ⇒ According to National curriculum 2005, ⇒ Improvement in examination is one of the important step in the process of reformation of syllabus. It is very important for the remedies on the mental stress of 10th & 12th Std. student and their parents. Our government has sanctioned the law in 2009 \ightharpoonup by which students in between 6 to 14 age got the right of compulsory education from the year 2010-11 continuous comprehensive evaluation implemented in schools for 1st to 8th std. According to the observation of 150 schools by VIMHANS 40% students were afraid of examination and they need guidance. Krishnkumar – (NCERT) said that

text books will be less in size and friendly with the children in future. The relationship between exam and textbook should be finish. K.B. Jinan a great educationist of Kerala said about educational system that he has started sensing nature, knowing nature workshop to study natural capacities among the students.

As per the evaluation related attitude it is observed that evaluation process at present is out of use. It cannot measure all competencies related to education. Researcher is related to education and teaching learning process from last 10 years. He has given ideal demo lessons for several times and observed lesson of teachers and student teachers. After analysis he found that continues comprehensive evaluation is not implemented properly. So he came to the conclusion that teachers must be aware about CCE.

Psychological Theory for Developing Research Program –

Research program developed by the researchers is the application of Jerome Bruner's cognitive learning theory. Students were evaluated by CCE for positive change in their behavior.

Need of Research -

- Present research is very much necessary for inspiring various aspects of intelligence of students and to motivate their innovativeness to create CCE method.
 - The inefficiency of education is because of today's educational system. So to solve problems this research is necessary.
 - There are more than 1 lac students who are out of school in the progressive state like Maharashtra. So this research will be very helpful to solve the problems of wastage and stagnation.

- This research is important to explain the usability, significance of CCE in new trends of evaluation.
- Teachers will get the handbook of CCE training program and they will be competent for effective implementation of CCE.
- This research will be helpful for the students and teachers to understand strength and weakness and for their overall development.

Title:

Development of Continuous Comprehensive Evaluation (CCE) Program and Studying Effectiveness

Statement of Problem:

Development of program for continuous comprehensive evaluation of Hindi subjects of 8th Std. and studying the effect of awareness on teachers and behavior of students.

Objective of the Research:

- 1. To study the present condition of CCE of Hindi subject of 8th Std.
- 2. To prepare handbook and programme for CCE evaluation system in Hindi subject for teacher of 8th Std.
- 3. To implement the program made for CCE of Hindi subject of std. 8th and to study its effect on awareness of teachers and behavior of the students.

Assumptions:

- 1. CCE is implemented on 1st to 8th Std. Primary education level. (G.R.N.: P.R.E./2010/136/10 P.E.-5)
- 2. Teachers face difficulties in implementation of CCE. (Pathak,S.2011,Rao,M. 2012, Kapoor, R. 2013, Chaple, D. 2013, Shelar, P. 2013, Bag, S. 2013.)
- CCE gives motivation to the student's skills, Presentation and inbuilt Values. (Judal, M. 2011, Dev, P. 2011, Rao, P. 2012, Sing, Patel & Desai, 2013)

Hypothesis:

A. Research Hypothesis:

 There is significant difference in median of pre-test and Post-test scores of teachers after implementation of CCE Program. 2. There is significant difference in the behavior of students in median of Pre & Post rating scale.

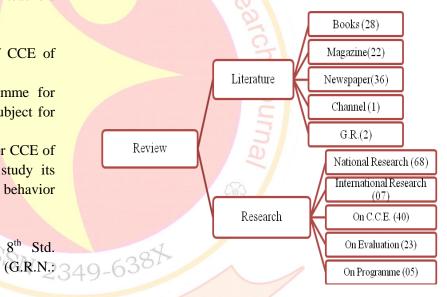
B. Null Hypothesis:

- 1. There is no significant difference in median of pre-test and Post-test scores of teachers after implementation of CCE Program.
- 2. There is no significant difference in the behavior of students in median of Pre & Post rating scale.

Research Question:

- 1. What are the difficulties in implementation of CCE to the teachers of 8th std. in Hindi subject?
- 2. What are the opinions of Hindi teachers of 8th std. regarding CCE?

Review of Research & Related Literature:



A	
Variable (Research
Study on	Rao, R (1989), Bharathi, M.
Problems of	(1989), Jaybhaye, S.(2006),
Continuous	Jaiswal, S (2009), Naik, T. (2009),
Comprehensive	Shah, R.T (2011), Dev,P. (2011),
Evaluation	Yagnik, B. (2012), Patil, P. (2012),
	Kapur, R. (2013), Desai, R. (2013),
	Jubilee P (2013), Garima B(2013),
	Shweta, S(2013), Patil, S (2013),
	Tom P.(2013), Nandini P. (2013),
	Prerana H.(2013), NAIDU,
	N.(2013), Bag, S (2013), Khadake,
	R. (2013), Belan, B. (2013),
	Thathe, M. (2013), Savant, D.
	(2013), Rathod, S. (2013), Hivare,

	R. (2013), Kamble, S. (2013),				
	Kadam, V. (2013), Kokare, V.				
	(2013)				
Remedies on	Gaikwad, N. (2008), Pandhare, V. (
Continuous	2010), Paathak, H. (2011), Jadal,				
Comprehensive	M. (2011), Hambarde, M.M.				
Evaluation	(2011), Nagaraju, K (2013), Anil K				
	(2013), VIJAYAN, K(2013), Genni				
	S(2013), Kothari.R (2013), Angadi,				
	G (2013), Torane, S. (2013),				
	Davare, P (2013), Chaple, D.				
	(2013)				
Programme	Yewale, N. (2011), Rao, P. (2012),				
110g1w	Bhagyalaxmi, V(2013),				
Evaluation Tool	Thakare, v. (1991),				
Evaluation 1001	Nawale, M. (1996), Sonawane, G.				
	(2007), Gupta, C. (2008), Gawade,				
	S. (2010), Payadhan, S. (2010),				
	Chodhary, S. (2008),				
	Taylor,H.(1966),Tewari, L.(1975),Tewari, C.(1982)				
	Trivedi, J(1984), I.T. College,				
1	the state of the s				
	(1971), Sali, V.(1977), Varma,				
	P.(1977), GCPT(1971),				
	GCPI(1981), CIE(1962),				

15.	Research	N.	let	hoc	0	logy:
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Objective 01: To study the present condition of CCE of Hindi subject of 8th std.

	Ob j.	Meth od	Sam ple	Sampl ing	Resco res	Tools	Evaluat ion
Γ	01	Surve	232	Stratifie	Teache	1.Question	1.Percent
ı		y	(30%)	d	r	naire	age
ı		metho		random		2.Discussi	2.Chart
ı		d				on	

Objective 02: To prepare the handbook and programme for CCE evaluation system in Hindi subject for teacher of 8th Std.

Obj.	Method	Theory	Development
02	Product	Behavioral	13 Steps

Objective 03: To implement the program made for CCE of Hindi subject of std. 8th and to study its effect on awareness of teachers and behavior of the students.

A. To see effectiveness of teacher's awareness:

O bj.	Method		Samp ling		Tools	Techni ques
03	Experi	31	Purpo	Tim	Aware	t test

mental	(14 %)	sive	e seri es	ness test Lesson	
				Observ ation	

B. To see effectiveness of students change in behavior:

Ob	Method	Sam	Sampl	Desi	Tools	Techni	
j.		ple	ing	gn		ques	
03	Experim	1616	Purpos	Tim	Aware	t test	
	ental	(14%	ive	e	ness		
)		serie	test		
				s			

Validity and Reliability:

vanaty and Ren								
Tool	Reliability	Validity						
Questionnaire	Split half (rtt: 0.89)	Checking from						
		Experts,						
		Content Validity						
Program	Maturity, History,	Interference						
	Statistical	before program,						
	Undeveloped,	Artificialness,						
	Experimental,	Effect of						
	Experimenter's bias.	Interactive test,						
		Interaction						
	3	between						
	Q)	selection and						
		treatment.						
Awareness test	Method of Rational	Difficulty value						
	equivalence	: 60						
	r : 0.96							
Lesson Observation	Test – Retest	Concurrent						
technique(Certified)	Method	Validity						
10 638	r: 0.96							
Students Behavioral	Test – Retest	Concurrent						
Rating scale	Method	Validity						
(Certified)								

Research Variable:

Independent Variable: Continuous comprehensive Process evaluation program.

05 Steps
Dependent Variable: Teacher's achievement,

change in behavior of the students

Control Variable: Period of Program, Resource Person, Medium, Teacher and Students

Population:

All teachers teaching Hindi Subject to std. 8th from secondary school of Maharashtra and all students learning in 8th std.

Tools of Data collection:

- A. Survey Method: (Objective 01)
- **1. Questionnaire for Teachers:** Questionnaire was filled from 232 teachers to check the present condition of CCE.

Section	Particular	Question number
01	Primary Information	12
02	CCE – Teacher Preparation	18
03	Obstacles in implementation of CCE	15
04	Instructions for improvement in	07
	Implementation of CCE	inter
	Total	52

2. Focus Group Discussion: Focus group discussion was done by 52 teachers to know difficulty and obstacles in CCE.

B. Product development Method: (Objective 02)

1. Program for CCE: Program was created by 13 stages of development. It was implemented through 5 stages on 31 teachers.

	the state of the s		
Section	Steps	Period	Percentage
01	Awareness	12	38.70 %
02	Preparation	10	32.25 %
03	Implementation	04	12.90 %
04	Obstacles	03	9.67 %
05	Suggestion	02	6.45 %
	Total	31	100 %

2. Resources of CCE training program:

- 1. Teaching experiences
- 2. Teacher Handbooks
- 3. Video clips A. CCE-Directions & challenges
- B. My School
- 4. Exhibition
- 5. Guidance of experts.
- 6. Use of software's
- 7. Question free exams.
- 8. Creation of lesson notes 9. Ideal school
- **3. Interviews:** Researcher has collected information from 18 persons of various sectors to get training and information expected for effective implementation of CCE.
- C. Experimental Method: (Objective 03)
- **1. Awareness test:** 31 teachers who participated in the program of CCE were evaluated through

awareness tests. This evaluation is done before and after 3 months of the program and after three months for 3 times with the help of time series design.

Sr. No.	Section	Particular	Marks
01	First	Background of CCE	05
02	Second	Awareness of CCE	16
03	Third	Tools of CCE	09
04	Forth	Difficulty of CCE	10

2. Lesson Observation Techniques: This technique is use by the researcher for observing the method of teaching used by the teacher for Hindi subject and the actual use of CCE.

Observa tion	Observat ions	Observe r	Perio d	Tools	Teach ers
Progra m (Pre)	6	1. Principal or Vice – Principal 2.Resear cher	3 Mont hs	Observa tion Techniq ue	31
Progra m (Post)	6	1. Principal or Vice – Principal 2.Resear cher	3Mon ths	Observa tion Techniq ue	31

3. Rating scale for change in behavior of students:

The change in behavior of students due to implementation of CCE is observed by rating scale in 7 factors. The validity and reliability of the rating scale is being checked and after necessary changes it was used for implementation of research.

Observ	Rat	Obse	Peri	Tools	Teac	Stud
ation	ing	rver	od	10013	hers	ents
Progra	3	Teach	3	Ratin	31	1616
m (Pre)		ers	Mont	g		
			hs	scale		
				(Certi		
				fied)		
Progra	3	Teach	3Мо	Ratin	31	1616
m		ers	nths	g		
(Post)				scale		
				(Certi		
				fied)		

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Statistical Tools: Researcher has used percentage, Line graph, bar graph, circular, diagrams, median, S.D., Correlation, t value etc. statistical tools for research.

Chart of implementation of experiment in descending order:

Experimental design

Creation of tools for experiment

\$\int\$

Selection of sample for experiment \sqcap

Development of program for CCE

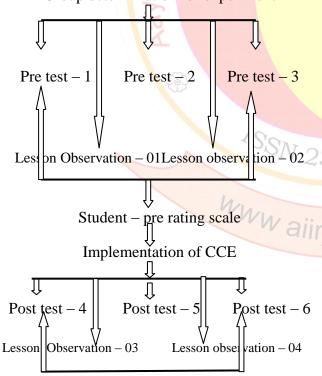
↓ Pilot study ↓

Necessary changes

Finalization of creation of tools and program of CCE

Planning of CCE program

Group determination for experiment



Student – post rating scale

Analysis of information

Finding & Conclusion

Testing of Hypothesis:

Research Hypothesis 01:

Diff. in M	r	S.D.	T test	T table value	Decision
13.32	0.32	1.06	12.56	2.75	Null Hypothesis – Not accepted

After implementation of CCE program it was found that there is significant difference in the scores of pre and post test of teacher awareness.

Research Hypothesis 02:

	School	Diff. in	S.D.	T	T table	Decision
	Scin	M		test	value	
1	Lower	1.08	0.56	3.16	2.021	Null
	behavior					Hypothesis –
	scale of					Not accepted
7	change					
	Higher	10.85	0.68	15.85	2.002	Null
	behavior			01		Hypothesis –
	scale of			0) 1		Not accepted
	change			3		

After implementation of CCE program it was found that there is significant difference in the scores of pre and post rating scales used for evaluating behavior of students.

Main Finding:

Findings according to objective no. 01: To study the present condition of CCE for Hindi subject of 8th Std.

ì	present cond	dition of CCE for Hir	ndi subject of 8 th Std.
	Section	Questionnaire	Group Discussion
	General information	1.60% teachers teach for std. 8 th to 10 th .	1. Some teachers evaluate std. 8 through
۱		2.35.77 % teachers	traditional method.
4		did not take CCE	2. According to some
		implementation.	teachers training was
1			not effective.
ı	Preparation	1.67.11% teachers did	Half of the teachers
-	of teachers	not take CCE	don't know the clear
٦	Juli	implementation	implementation of
1		training.	CCE.
		2.51% teachers have	2. Some teachers have
		made some change in	done changes in their
		their teaching for	teaching.
		CCE.	
	Difficulties	1.91.37% teachers	1.Most of the teachers
		face difficulties while	face difficulties while
		doing formative	doing formative
		evaluation.	evaluation.
		80.60% teachers	2.Most of the teachers
		though that quantity	think that quantity of
		of students in the	students in the biggest
		biggest obstacle in	obstacle in CCE
		CCE.	

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Opinion	1.According to	1.As per opinion of
	92.09% teachers	most of the teachers
	negligence towards	scale of indiscipline is
	study and scale of	increased in students.
	indiscipline is	2. Most of the teachers
	increased due to CCE.	have opposed
	2.68.53% teachers	implementation of
	have opposed the	CCE.
	implementation of	
	CCE.	

Findings according to objective no. 02: To prepare handbook and program for CCE evaluation system in Hindi subject for teachers of 8th Std.

NO.	Stage	Objective	Unit /	Resources/	Procedure	Theory
01	Awareness	To understand the	Sub-unit 1. Review of evaluation from	Tools Researcher	Representation	Thorndike's
VI	Awareness	historical background	1882-2010.	Questionnaire	in front of group	theory of
		of CCE			Observation	connectionism.
					Discussion work	
		To present need &	1. Need of CCE.	Researcher	Representation	
		purpose of CCE	2. Purpose of CCE	1	in front of the	
					group	
		To explain objective of CCE	Objective of CCE	Researcher	Group discussion.	
		To tell need &	Importance of CCE & Need	Researcher	Representation	
		importance of CCE.	of CCE		in front of the	
		m 1: 1	L 1 CDEE 2000	P	group	
		To explain the reasons of	Implementation of RTE 2009 RTE-2009	Expert	Question-	
		implementation of	Need of Roles.		Answer	
		RTE 2009	rection Roles.			
		To develop positive	Introduction of main aspects	Researcher	Group	
		attitude regarding	of CCE.		discussion.	
		CCE.			\$ P	
2	Preparation	Revision of CCE	1. Handbook. Part 1:	Researcher	Group	Pavlov's
		handbooks	Revision		Presentation.	classical
			2. Part 2: Revision		Group	conditioning
		T . 1 .: C	3. Part 3: Revision	Y 1	Presentation.	theory
		Introduction of new evaluation techniques	1. Self evaluation 2. Rubric	Researcher	Group Presentation.	
		for Hindi Subject.	3. Test with books	100	riesentation.	
		Tot Timur Subject.	4. Project	m		
			5. Activities	(CO/,		
		Development of	1.Necessity of formative	Researcher	Personal	
		result sheet & Charts	evaluation.		experience	
		of Formative &	2.Necessity of summative			
		Summative	evaluation			CI :
		evaluation	3. Information of CBSC		Presentation &	Classification of Bloom's
		T 1	software.	D 1	work.	Taxonomy
		To explain teacher's role in procurement	1.Supplementary guidance.2. Necessary instructions.	Researcher	Discussion	Tuxonomy
		& expected	3. Follow up			
		achievement by the	4.Procurement			
		students.				
		To develop	1.Based on objective	Researcher	Activity	
		questioning skill of	A. Knowledge based			
		the teachers.	question.			
			B. Comprehension based			

			questions.	Researcher		
			C. Application based question. D. Skill E. Interest 2. Based on Size A. Objective B. Short answer C. Long answer 3. Based on Types A. Free questions B. Closed questions	Researcher Researcher	Group work Creation of questions workshop Discussion of experiences	
		To give information of question free exam to the students.	1.Objective of question free exam. 2.Nature of question free exam.	Researcher	Presentation Discussion	Constructivism
		ione	3. Implementation	1/	Discussion	
3	Implementation	To help the researcher to include the constructivism process and CCE	Inclusion of construction learning teaching evaluation.	Expert	Discussion	Master learning theory
		Presentation of Hindi lessons by using software	Learning – teaching process	Expert	Observation and Handling	
		To implement the CCE for Hindi Subject.	1.Actual lesson and formative evaluation. 2.Actual lesson & Simulative evaluation 3.Lesson by teachers	Researcher	Work Activity Actual lesson	
			1.To understand the obstacles in implementation of CCE. A. Quantity of CCE.	Researcher	Record	Skinner's classical conditioning theory
4	Obstacles	To remove obstacles in implementation of CCE.	B. Time 2. Classification of obstacles in between CCE. 3. To make competitive to	Apanch Institute	Discussion To do	
			face obstacles.		observation	
5	Suggestion	To insist the teacher for effective implementation of CCE.	1.Motivation 2.Role 3. Blue print of formative evaluation.	My School C.D.	Discussion	Thorndike's connectionism theory
		To give extra instruction for effective implementation	 Special instruction for formative evaluation. Special instruction for summative evaluation. 	Researcher	Representation	

Objective 2 was fulfilled by creation of effective program.

B. Preparation of Handbook:

- 1. Purpose was fixed to prepare teacher handbooks.
- 2. Units form handbook was fixed.
- A. Review of evaluation in the period 1882 to 2010.
- B. Evaluation method in the present situation.

- C. Need and purpose of CCE.
- D. Need and Importance of CCE.
- E. Implementation of RTE 2009.
- F. Self evaluation, Rubric, Test with books, project, Activity.
- G. Need of record for formative and summative evaluation.
- H. Information and handling of software.

- I. Supplementary guidance
- J. Types of question.
- K. Constructivism process
- L. Association of learning teaching evaluation
- M. To understand the obstacles in implementation of CCE.
- N. Motivation
- O. Special instructions for formative and summative evaluation.

C. Comparison in between govt. made teachers handbooks and researcher made teacher handbook:

Point	Govt. made	Researcher made teacher
	teacher	handbook
	handbook	Allio.
Scope	All subject	Hindi Subject
Background	Brief	Historical and theoretical
Dackground	Brief	both clear
Act 2009	Just mention	Clarification between
ACI 2009	Just mention	concept of evaluation from
		act 2009 and CCE.
Constructivism	Constructivist	1.Constructivist teacher –
Consti uctivisiii	teacher – No	Clear act 2.Differnce
	Act.	between traditional
	7 Ket.	evaluation & Constructivist
		evaluation.3.Association of
		constructivist teaching and
	l w	CCE. 4. Preparation of
		evaluation
		A. Learning through
	d	observation
	8	B. Learning through
		curiosity
		C. Problem solving.
Formative	Layout of	Layout of formative tools-
Tormative	formative	8 Tools
	tools	0 10015
Evaluation	1.Concept	1.Preparation 2. Merit 3.
Tools	2.Purpose 3.	Limitation 4. Example 5.
10015	Method of	Practice 6. Other tools : A.
	work	Self Evaluation B. Rubric
	4.Criteria for	
	scoring	
Evaluation	Representation	Evaluation Collection Tools
Collection	of evaluation	1. Written Exam. 2.
Tools	collection	Ouestion free exam. 3.
	tools: 1.	Evaluation process.
	Purpose 2.	•
	Structure	
Extra	Presentation:	Representation: 1. Purpose
Guidance	1. Invention	2. Diagnostic 3. Invention
	2. Reasons	4. Reasons 5. Preventive
	3.Remedies	remedies 6. Remedial
		teaching.
Question	Various types	Sample question papers of
Question		

	question:	quarties manage of Hindi
	•	question papers of Hindi
	Questions as	subject (Recitation skill,
	per std.	Written Skill, Grammar
		Skill, Point wise) Oral,
		Written: Level 1,2 & 3.
Ideal lessons		Std. Eight – Unit 3 all
		lesson constructivist
		teaching method, 5 E
		model, 7 E Model.
Monthly		Monthly Planning – sample
planning		Month - December
Blue print for		Blue print fro objective
		fulfillment : Content
fulfillment		Analysis.1. Objective
COissi		
OUDlin		2.Scope 3. Learning –
11/6	Pr.	Teaching, 4. Lesson 5.
objective fulfillment	1	Teaching methodology
	P	6.Teaching aids 7.
	(0)	Evaluation tools 8.
	0	Evaluation direction 9.
	0	Time
Ideal School		Jawahar Navodaya
		Vidyalaya, Wynad,
		Dnyanprabodhini, Pune
Motivation		
		My School : Serial – C.D.
Ice-Breaking		My School : Serial – C.D. 1. While being motivation
		F 100
Ice-Breaking		While being motivation
Ice-Breaking		1. While being motivation teacher
Ice-Breaking		While being motivation teacher Introcution of learning
Ice-Breaking		While being motivation teacher Introcution of learning evaluation Introducation of Modern
Ice-Breaking		While being motivation teacher Introcution of learning evaluation Introducation of Modern teaching pedagogy.
Ice-Breaking		While being motivation teacher Introcution of learning evaluation Introducation of Modern teaching pedagogy. Introduction of project
Ice-Breaking Prog.		While being motivation teacher Introcution of learning evaluation Introducation of Modern teaching pedagogy. Introduction of project work
Ice-Breaking		While being motivation teacher Introcution of learning evaluation Introducation of Modern teaching pedagogy. Introduction of project work CCE- Challenges and
Ice-Breaking Prog. Exhibition		While being motivation teacher Introcution of learning evaluation Introducation of Modern teaching pedagogy. Introduction of project work CCE- Challenges and Direction
Ice-Breaking Prog.		While being motivation teacher Introcution of learning evaluation Introducation of Modern teaching pedagogy. Introduction of project work CCE- Challenges and Direction Sample software for
Ice-Breaking Prog. Exhibition Software		While being motivation teacher Introcution of learning evaluation Introducation of Modern teaching pedagogy. Introduction of project work CCE- Challenges and Direction Sample software for recoding score
Ice-Breaking Prog. Exhibition Software Blue print for		While being motivation teacher Introcution of learning evaluation Introducation of Modern teaching pedagogy. Introduction of project work CCE- Challenges and Direction Sample software for recoding score Remedies were suggested
Ice-Breaking Prog. Exhibition Software		1. While being motivation teacher 2. Introcution of learning evaluation 3. Introducation of Modern teaching pedagogy. 4. Introduction of project work CCE- Challenges and Direction Sample software for recoding score Remedies were suggested for the difficulties seen in
Ice-Breaking Prog. Exhibition Software Blue print for activity		1. While being motivation teacher 2. Introcution of learning evaluation 3. Introducation of Modern teaching pedagogy. 4. Introduction of project work CCE- Challenges and Direction Sample software for recoding score Remedies were suggested for the difficulties seen in research.
Ice-Breaking Prog. Exhibition Software Blue print for		1. While being motivation teacher 2. Introcution of learning evaluation 3. Introducation of Modern teaching pedagogy. 4. Introduction of project work CCE- Challenges and Direction Sample software for recoding score Remedies were suggested for the difficulties seen in research. Guidelines for effective
Ice-Breaking Prog. Exhibition Software Blue print for activity Suggestions		1. While being motivation teacher 2. Introcution of learning evaluation 3. Introducation of Modern teaching pedagogy. 4. Introduction of project work CCE- Challenges and Direction Sample software for recoding score Remedies were suggested for the difficulties seen in research. Guidelines for effective implementation
Ice-Breaking Prog. Exhibition Software Blue print for activity		1. While being motivation teacher 2. Introcution of learning evaluation 3. Introducation of Modern teaching pedagogy. 4. Introduction of project work CCE- Challenges and Direction Sample software for recoding score Remedies were suggested for the difficulties seen in research. Guidelines for effective

Findings according to objective no. 03: To implement the program made for CCE of Hindi subject of std. 8th and to study its effect on awareness of teachers and behaviors of the students.

- 1. The achievement of the scores regarding awareness of the CCE of teachers after implementation of CCE program was increased, Hence the program was fruitful.
- 2. There was significant change in the median of pre and post test scores for behavioral change of

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students, Hence the implementation of CCE was fruitful.

3. After analyzing the responses given by teachers it was found that problem of teachers and students were decreased a lot.

Majors findings:

- 1. Most of the teachers find problems in formative evaluation, Population of the students, discipline etc. (*Objective 01*)
- 2. Most of the teachers use traditional method for teaching and evaluation. (*Objective 01*)
- 3. The scientific blue print was developed with the help of following activities for CCE. A. Awareness
- B. Formative tools C. Collective tools D. Constructivist teaching E. Questioning skill F. Ice braking activities G. Records of software H. Guiding instructions(*Objective 02*)
- 4. There was positive significant change in teachers' awareness and students' behavioral change after the implementation of CCE. (*Objective 03*)

Suggestions:

- 1. Headmasters should guide the teachers regarding CCE and they must take feedback of implementation of CCE after every week for all subjects in there schools.
- 2. Teachers should accept CCE and use information booklet and CD for getting information. They should do action research to solve difficulties in CCE.

Discussion:

The research done by Rao R.S. and Bharati (1989) regarding CCE of Hindi subject didn't get much success but the research done by the researcher regarding CCE of Hindi subject was most successful. In the research done by Gupta C.V. (2008) it was suggested that the overall development took place through education so this overall development was much necessary. But in present research CCE was implemented for overall development of students and its usability was explained through the medium of program. In the research of Pathak, Hemant S. (2011) he has studied difficulties faced by teachers in CCE process and suggested remedies for it. In the present research, researcher has used those remedies for making the program and studied its effectiveness.

Kapoor, Rekharani (2013) has suggested remedies for teachers to solve difficulties in project, In present research researcher has solved those difficulties through effective implementation. In the research done by Rao, Manuta P and Rao P.T.(2012) the finding was teacher's knowledge was increased because of the training of CCE and they have inculcated new skills of evaluation for evaluating the achievement of students. But in the present research researcher has studied the change in behaviors of students for CCE also.

Knowledge and educational Contribution of the research:

Researcher has developed awareness regarding CCE among teachers of secondary school through the present research. With the help of this research students will be evaluated properly and there will be positive change in their behavior for overall development. From this point of view this is the knowledgeable contribution of the research.

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