

Report
of the
Two Days
National Conference
on
Action Research in School Education

Organized
by

Center for Professional Development of Teacher
Educators

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
(PMMMNMTT)

School of Education, Central University of Gujarat,
Sector 29, Gandhinagar-382030

21-22nd, October, 2019

Conference Brochure



गुजरात केन्द्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF GUJARAT
(Established by an Act of Parliament of India, No 25 of 2008)

National Conference

On

Action Research in School Education

(21-22nd October, 2019)



Organized by

School of Education
Center for Professional Development of Teacher Educators

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching [PMMMNMTT]

Central University of Gujarat
Sector 29, Gandhinagar, Gujarat-382030
India

About the University and School of Education

The Central University of Gujarat was established through an Act of Parliament in the year 2009. Having jurisdiction over the entire state of Gujarat, it caters to the academic, intellectual and professional needs of youth in the state of Gujarat and across the country. Educating, training human resources, research and dissemination of knowledge are some of the important objectives of the university.

The School of Education, Central University of Gujarat (CUG) was established in 2017 and offers M.Ed. and M.Phil., Ph.D. programmes in Education. The programmes aim to equip students with the requisite academic and professional skills in Education and teacher education and aims to prepare experienced teacher educators for performing various roles in schools, non-profit organizations, government agencies, and beyond. The school is committed to advancing diversity, equity, and inclusion across the curriculum, in classrooms and campus culture.

About the Centre

Centre for Professional Development of Teacher Educators

In year 2019, the Ministry of Human Resource Development has sanctioned the Center for Professional Development of Teacher Educators to the School of Education, CUG, under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT). As a part of the center, the school has till date organized various community awareness programmes, short term workshops for teacher educators. The center aims to bridge the gap between teachers and teacher educators and provide opportunities for inter-sectoral linkages between the teachers and teacher educators all over the country. It aims to spearhead the professional development of teachers and teacher educators. The present national conference is a step in this direction.

Concept Note

Action Research in education helps the practitioners to take evidence-based decisions in the improvement of institutional practices. It is an inquiry conducted by the practitioner himself/herself into what they do day in and day out, with a view to solving, improving or refining their practices. Practitioners who engage in action research inevitably find that it is an empowering experience as it is always relevant to them. It is relevant to teacher educators who think about how their practices can more closely exemplify the principles of good teaching that they believe in, to school leaders who think about making their school more focused on student learning, to educational officers who think to improve the educational and administrative practices and to teachers working on improving the students' learning in their classroom. Thus, action research is a systematic process of inquiry.

Objectives of the National Conference

The conference is primarily designed to gather teachers, school administrators, educational officers and teacher educators in India.

Specifically, it aims to:

- inculcate the value and importance of 'doing action research' in 21st century educational environment;
- provide opportunity to share action research studies in a scholarly environment
- strengthen research capacity of the practitioners through building strong research partnerships and linkages
- provide a thorough discussion on the different processes, methodologies and challenges in carrying out action research.

National Conference Features

Plenary Sessions Paper presentations

Call for papers and Subthemes

We encourage **original action research-based papers** from educational practitioners **only in English language** on following sub-themes which are just indicative

Action Research in School Education: Towards Improvement of:

- teaching learning practices
- use of educational technology
- language/science/mathematics/social science/arts and humanities education
- guidance and counseling services
- evaluation practices
- overall institutional practices
- educational leadership and administration
- institution and community relations

and other related areas

Target group

All educational practitioners i.e., teacher educators, educational officers, school heads/principals, school administrators, supervisors, head/coordinators and teachers are cordially invited to contribute for the national conference.

Important Dates

Extended Last date for submission of abstract	20th September, 2019 (by 06:00 PM)
Last date for submission of full paper	15 th October, 2019
National Conference Dates	21-22 nd October, 2019

Guidelines for Abstract Submission

You may send an abstract of not less than 750 words on any of the above mentioned sub-themes only in e-form (MS Word, Font: 12 sized Style: Times New Roman, 1" margin on all sides of pages and 1.5" line spacing) along with the title, keywords and details about author(s) latest by 20th September, 2019 to pmmmnmtt.vl@cug.ac.in After the decision of acceptance of abstracts will be communicated you have to submit the full length paper by 15th October, 2019.

ONLY THE CANDIDATES WHOSE ABSTRACTS ARE ACCEPTED ARE ALLOWED TO PARTICIPATE IN THE CONFERENCE.

Guidelines for Full Paper Submission

- Full length finalized paper should be sent only by email.
- The title page should contain Sub-theme, Title, Authors, Affiliations, Email id.
- The full-length paper must be accompanied by an abstract.
- The paper should be written in **English** and typed in a MS Word in **Times New Roman with 12** font size and 1.5 line spacing.
- The length of full paper (including tables, graphs, illustrations, footnotes, references etc.) should be between 3000 to 4000 words and in a single file containing title page and abstract.

- Graphs and charts need to be prepared in MS Office (Word/Excel) and not in jpeg or other formats.
- American Psychological Association (APA) style should be followed in both in-text citation and references and the references should be arranged in alphabetical order.
- Submission of the full paper signifies that the participant agrees to seminar participation and Copyright Agreement.
- The final version of the full paper (soft copy) should be sent through email to pmmmnmtt.vl@cug.ac.in by 15th October, 2019.

SUBMISSION OF FULL-LENGTH PAPER BEFORE THE DEADLINE IS MANDATORY TO PARTICIPATE IN THE CONFERENCE.

Travel and hospitality allowances

Travel fare upto a limit of 3 tier AC by train or by bus (by the shortest route on production of ticket) will be provided to only the **First author** of shortlisted papers. A fixed amount as decided by School of Education, would be paid to the **first author** of the paper towards accommodation. The candidates within 100kms from Gandhinagar are not entitled for Accommodation allowance. No registration charges. Breakfast, Lunch and Dinner would be provided at the venue of the conference.

Organizing committee

All faculties and scholars of School of Education, Central University of Gujarat, Gandhinagar For further queries contact conference convener at **+91 9427401842**

Dr. Y. Vijaya Lakshmi Prof. H. B. Patel
Convener, Project Director
National Conference PMMNMTT

Conference Banners



**National Conference
On
Action Research
in
School Education**

21st – 22nd October 2019

Organized By
School of Education

Centre for Professional Development of
Teacher Educators (CPDTE)
**Pandit Madan Mohan Malviya National Mission on
Teachers and Teaching (PMMMNMTT)**

Central University of Gujarat
Sector 29, Gandhinagar, Gujarat
India - 382030

 <p>Prof. Ashutosh Barwal The MS University of Baroda</p>	 <p>Prof. Rajendra Pal Professor and Head CIET, NCERT</p>	 <p>Dr. B. Ramesh Babu Professor, RIE, Bhopal</p>
 <p>Prof. Saroj Yadav Dean Academic NCERT</p>	 <p>Dr. Prerana H Shelat Associate Professor IITG, Gandhinagar</p>	
 <p>Dr. Vijaya Lakshmi Convener, National Conference</p>	 <p>Prof. H. E. Patal Project Director PMMMNMTT</p>	 <p>Dr. G. R. Angadi Project Coordinator PMMMNMTT</p>

Venue:
Seminar Hall, Academic Block, CUG, Sector 29, Gandhinagar Gujarat, India - 382030



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School of Education

Centre for Professional Development of Teacher
Educators (CPDTE)
**Pandit Madan Mohan Malviya National Mission on Teachers and
Teaching (PMMMNMTT)**

Organizes
Two Days National Conference
On
Action Research in School Education
21st – 22nd October, 2019



Venue:
**Seminar Hall, Academic Block, CUG, Sector 29,
Gandhinagar, Gujarat, India - 382030**

Conference Schedule

School of Education

Central University of Gujarat



ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય
CENTRAL UNIVERSITY OF GUJARAT



सत्यमेव जयते

Two Days National Conference
On
Action Research in School Education
21st – 22nd October, 2019

PROGRAMME SCHEDULE

Breakfast @ Hotel : 8.00 a.m to 8.45 a.m

Registration: 09:00 a.m. to 10:00 a.m. Inaugural Session: 10:00 a.m. to 11:00 a.m.

INAUGURAL SESSION

21st October, 2019 10:00 a.m. to 11:00 a.m.

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

Welcome	
Welcome Address & SE Profile and About PMMMMNTT	Dr. J.N. AMIN Associate Professor, I/C Dean, School of Education, CUG
About the Seminar	Dr. Y. VIJAYA LAKSHMI Convener, National Conference Assistant Professor, SE, CUG
Inaugural Address Guest of Honour	Dr. P. BHARTHI IAS, Director, SSA
Vote of Thanks	Dr. Shilpa S Popat Assistant Professor, SE, CUG
Rapporteurs: Jitendranat H Gorai & Bablu	

Tea Break: 11:00 a.m. to 11:15 a.m

Day 1 [Monday] : 21st October, 2019

Session I: Plenary Session

11:15 a.m. to 12:45 p.m.

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

S. No.	Expert	A Talk on
1	Prof. Ramesh Babu Professor, Dean, Research RIE, Bhopal	TEACHER AS A REFLECTIVE PRACTITIONER
2	Prof. Ashutosh Biswal Department of Education-CASE Faculty of Education & Psychology The M.S. University of Baroda, Baroda.	CASE STUDY IN ACTION RESEARCH

Chairperson: **Prof. Ashutosh Biswal**

Rapporteurs: **Onima Dakpe & Anjali Warbal** Technical Assistance: **Chitra C**

Lunch Break: 12:45 p.m. to 01:30 p.m.

Session II: 01:30 p.m. to 03:30 p.m.

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

Chairperson: Prof. Rajendra Pal		
Rapporteurs: Bablu Karan & Varinder Technical Assistance: Nibedita Bhowmik		
S.No	Name	Topic
1	Dr. Rameshrajsinh Chauhan	WEEKLY EVALUATION AND ASSESSMENT IN SOCIAL SCIENCE WITH REFERENCE TO GUJARAT STATE
2	Saurabh Shukla	SCHOOL STUDY-MATERIAL BANK – A SELF-HELP INITIATIVE FOR PROMOTION OF LEARNING IN SCHOOLS OF BASIC EDUCATION BOARD IN UTTAR PRADESH
3	Dr. Kewal Anand Kandpal	ACTION RESEARCH FOR SOLVING THE PROBLEM OF POOR PARTICIPATION OF BOYS AND GIRLS IN SCHOLASTIC AND CO-SCHOLASTIC CURRICULUM OF THE SCHOOL DUE TO OVER CAUTIOUS Attention To Their Gender Identity
4	Dr. Sunayana J. Kadle	EFFECTS OF INTERNSHIP IN SPECIAL SCHOOLS ON STUDENT TEACHERS BEHAVIOR AND ATTITUDE TOWARDS INCLUSION
5	Jayamala Sethi	EFFECTIVENESS OF THE BILINGUAL DICTIONARY IN ADDRESSING THE PROBLEMS OF THE LEARNERS OF ST COMMUNITY

6	Anju Kumari	REDUCING STRESS OF BOARD EXAM AMONG 10TH CLASS STUDENTS BY USING YOGA AND MEDITATION IN B.P.M. +2 HIGH SCHOOL, BURMAMINES, JAMSHEDPUR, JHARKHAND
7	Parmar Sunilkumar R	THE IMPORTANCE OF GUIDANCE AND COUNSELING AT UPPER PRIMARY SCHOOL: ROLE OF THE TEACHER
8	Sandip Dutta	ROOT FOR STEM: AN INTERVENTION TO MAKE CAREERS IN STEM MORE ATTRACTIVE
9	Dr. Sumeet Nandkumar Ramchandani,	ENHANCEMENT OF THE THREE (DO NOT SPEAK LIE, TO BE HELPFUL TO CO-STUDENTS, DO NOT CHEAT IN EXAMS) CHARACTERISTICS OF THE ETHICS THROUGH NEWSPAPER READING, STORYTELLING AND DEBATE COMPETITIONS AMONG STUDENTS OF EIGHT STANDARDS: A CASE STUDY
10	Dr (Prof.) Anirudh Prasad Singh Mrs. Jyoti Singh	AN OBJECTIVE STUDY ON THE IMPACT OF COUNSELING AND GUIDANCE AMONG THE CHAPARTALA BASIC PRIMARY SCHOOL STUDENTS IN PHOOL - BEHAR BLOCK OF LAKHIMPUR KHERI DISTRICT IN THE STATE OF UTTAR PRADESH

Parallel Session II: 01:30 p.m. to 03:30 p.m.

Venue: M.Ed classroom, Administrative block, Sector-29 campus, Central University of Gujarat

Chairperson: **Dr. Shilpa S. Popat**

Rapporteurs: **Deeya and Ishita**

Technical Assistance: **Pankaj**

S.No	Name	Topic
1	Dr. Sangeeta Dey Prof. Rajendra Pal	FACTORS MOTIVATING TEACHERS AND EDUCATORS FOR JOINING AN ONLINE COURSE ON ACTION RESEARCH IN EDUCATION
2	Dr. Jagadeesh Basapur	TRAINING ACTION RESEARCH MODULE FOR EFFECTIVE LEADERSHIP AMONG SECONDARY SCHOOL HEADS TO IMPROVE S.S.L.C. RESULT OF THEIR INSTITUTIONS.
3	Dr. Pravin Gunjal	AWARENESS TOWARDS ACTION RESEARCH OF SECONDARY SCHOOL TEACHERS
4	Vishwajeet K Yadav	MASS ACTION RESEARCH STRATEGY FOR IMPROVING TEACHING LEARNING PRACTICES
5	Dr. Mahesh Narayan Dixit	SELF-EFFICACY TOWARDS ACTION RESEARCH OF PROSPECTIVE SECONDARY TEACHERS
6	Dr. Anju Chaplot	ACTION RESEARCH TRAINING; AN EFFECTIVE METHOD TO INCULCATE PROBLEM-SOLVING CAPABILITIES IN THE PROSPECTIVE TEACHERS
7	Gautam Parmar	STUDY ON PERCEPTION TOWARDS MOBILE USAGE IN CLASSROOM

8	Yogesh Kumar	TO IMPROVE THE ACADEMIC PERFORMANCE OF STUDENTS BY USING MIND MAPPING-AN INNOVATIVE ICT ORIENTED TECHNIQUE TO LEARN AND MEMORIZE
9	Sri Jeevan Kumar Sahoo	ISSUES & CONCERNS IN TEACHING SCIENCE IN SECONDARY SCHOOLS
10	P Srirenganayaki	ENHANCING THE SKILL OF USING SMART VIRTUAL CLASSROOM WHITE BOARD AMONG THE TEACHER'S OF SVC SCHOOL OF GOVERNMENT HIGHER SECONDARY SCHOOL THIRUCHENDURAI, TAMILNADU

Tea Break: 03:30 p.m. to 03:45 p.m.

Venue: Seminar hall, Sector-29 campus, Central University of Gujarat

Session III: 03:45 p.m. to 06:00 p.m.

Venue: Seminar hall, Sector-29 campus, Central University of Gujarat

Chairperson: Dr. Shankar Lal Bika		
Rapporteurs: Nancy G & Chitra C		Technical Assistance: Parvin Akthar
S.No	Name	Topic
1	Dr. Vidhu P. Nair Naimisha Parmar	A STUDY ON THE INFLUENCE OF CLASSROOM MADE SHORT FILMS IN SOCIOEMOTIONAL COMPETENCE OF PRIMARY SCHOOL PUPILS
2	Dr. C R Vijayan & Archana Singh	EFFECTIVENESS OF ICT INTERVENTION ON THE PRONUNCIATION OF SELECTED SILENT LETTER WORDS AND MISPRONOUNCED WORDS IN ENGLISH AT SECONDARY LEVEL
3	Mr. Piyushkumar P. Jotania	USE ICT FOR EFFECTIVE TEACHING-LEARNING IN PRIMARY SCHOOL
4	Dillip Kumar Dhal	IMPROVEMENT OF TEACHING LEARNING PRACTICE WITH USAGE OF LOWCOST TEACHING LEARNING MATERIALS
5	Dr. Dipak M. Choudhari Dr. Sayali D. Choudhari	FLIP THE TIMETABLE TO INCULCATE THE HABIT OF SELF-LEARNING AMONGST THE STUDENTS
6	Dr. Kotresh. B	STRATEGIES OF TRAINING THE B.ED ., STUDENT TRAINEES TO ENGAGE THE ACTION RESEARCH IN CLASS ROOM TEACHING AND LEARNING
7	Mrs. Mona A Shelke	DEVELOPMENT OF STRATEGIES TO IMPROVE THE BASIC OPERATION SKILL IN MATHEMATICS FOR STD 3 TO 5 STUDENTS OF NOVEL INTERNATIONAL SCHOOL AT PUNE, MAHARASHTRA
8	Nikunj R. Vagadia	CONSTRUCTION OF DRAMA BASED LEARNING PROGRAMME AND ITS EFFECTIVENESS ON THE LEARNING OF THE ACCOUNTANCY

9	Nima Parekh	INTEGRATION OF LIFE SKILLS EDUCATION WITH ALL SUBJECTS AND IMPLEMENTATION THROUGH DRAMA IN EDUCATION METHOD: AN EFFECTIVE LEARNING PROCESS MODEL IN LAVAD PRIMARY SCHOOL, GUJARAT
10	Padaraj Umakanta Nayak	ASSESSING THE PROCESS SKILL & INTEREST OF ELEMENTARY STUDENTS TOWARDS MATHEMATICS: A CASE STUDY ON STEM EDUCATION IN MY SCHOOL

Day 2 [Tuesday] : 22nd October, 2019

Breakfast @ Hotel :8.00a.m to 8.30 a.m

Session IV: Plenary Session

09:30 a.m. to 11:45 a.m

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

S.No	Expert	A Talk on
1	Prof. Saroj Yadav Dean (Academic) NIE NCERT	CONTEMPORARY TRENDS, ISSUES AND CHALLENGES IN SCHOOL EDUCATION
2	Prof. Rajendra Pal Professor and Head Media Production Division CIET NCERT	PHILOSOPHY OF ACTION RESEARCH IN EDUCATION
3	Dr.Prerana H Shelat Associate Professor, Head PG Programme Indian Institute of Teacher Education (IITE), Gandhinagar	ISSUES AND CHALLENGES IN ACTION RESEARCH
Chairperson: Prof. H.B.Patel		
Rapporteurs: Tripti Singh & Shazia Kouser Technical Assistance: Bablu K		

Tea Break: 11:45 a.m to 12:00 a.m

Session V: 12:00 p.m to 01:45 p.m.

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

Chairperson: Dr. J.N. Amin		
Rapporteurs: Parvin Akthar & Nilofar		Technical Assistance: Roli G
S.No	Name	Topic
1	Pramod Kumar Kar	EFFECT OF COLLABORATIVE LEARNING ON THE ACHIEVEMENT OF LOW ACHIEVER LEARNERS (LAL) IN SCIENCE AT

		ELEMENTARY LEVEL
2	Dr. Pratik R. Maheta	A STUDY OF PROBLEMS OF STUDENTS OF STANDARD-9TH FOR READING ENGLISH LANGUAGE
3	Dr. RohitBagthariya	TEACHING QUESTIONING SKILL VIA MODERN DEVICE: THE CATALYTIC IMPACT OF ALEXA
4	Dr. Vinita Advani Dr. Vibha Dwivedi	MATHEMATICS PHOBIA IN TEACHER TRAINEES
5	Smt. BaijayantiSahoo	EFFECTIVE CLASSROOM LEARNING BY DETECTING BARRIERS AND UTILISING REMEDIES
6	P.Elavarasu	ENHANCING THE LEARNING OF 'OUR GOVERNMENT' CONCEPT THROUGH PARTICIPATORY APPROACH AMONG V STD STUDENTS AT P.U.P.S, THIRUNAGAR, MANNACHANALLUR BLOCK
7	Dr. Jigna L. Kholiya	A STUDY ON THE EFFECTIVENESS OF SIMULATION METHOD FOR ORGANISATION OF COMMERCE AND MANAGEMENT TEACHING IN CLASS 11TH
8	Kalpesh V. Patel	TEACHING STORIES – WITHOUT TELLING THE LEARNER
9	Prafulla Kumar Gochhayat	EFFECTIVENESS OF STRATEGIC ACTIVITY BASED CLASSES TO OVERCOME THE STUDENTS FEAR AT BLACKBOARD WORK AND SILENCE DURING DISCUSSION IN A CLASSROOM TRANSACTION.
10	Amit Rai	IMPROVING THE WRITING SKILL OF STUDENTS FROM CLASS 6 TO 8 OF ITLA PRIMARY SCHOOL

Parallel Session V: 12:00 p.m to 01:45 p.m.

Venue: M.Ed classroom, Administrative block, Sector-29 campus, Central University of Gujarat

Chairperson: Dr.Prerana Shelat		
Rapporteurs: Sweta and Vandana		Technical Assistance: Tripti Singh
S.No	Name	Topic
1	Deepak kumar	IMPACT OF CLASSROOM PARTICIPATION ON STUDENT'S ACHIEVEMENT IN SOCIAL SCIENCE
2	Dr.Dipak R Pandya	DIFFICULTIES IN FLUENTLY SPEAKING HINDI LANGUAGE OF HINDI METHODOLOGY STUDENTS FROM NON - HINDI SPEAKING STATES
3	MsJyotsnaPradhan Dr. Subash Chandra Patra	EFFECTIVE WAYS OF TEACHING HISTORY AND ROLE OF TEACHER
4	Dr. Kaushal Yadav	EXPERIENTIAL LEARNING AND GEOMETRY

		TEACHING: A CALL TO ACTION
5	Dr.Kowshik.M.C	A COMPARATIVE STUDY OF CONTENT OF CBSE AND KARNATAKA STATE GOVERNMENT PRESCRIBED SECONDARY SCHOOL CHEMISTRY TEXTBOOK
6	Nirmala Gupta	ACTION RESEARCH ON ENHANCING THE SPOKEN SKILLS OF ENGLISH THROUGH DRAMATIZATION OF THE KENDRIYA VIDYALAYA STUDENTS
7	PranabandhuHota	TEACHING MATHEMATICS THROUGH IMPROVISED AIDS IS EFFECTIVE
8	Rajesh Bhaskar Patil	FACING THE NEW ACTIVITY SHEET INTRODUCED FOR HIGHER SECONDARY GRADES: EXPERIMENTS, FACTS,HURDLES, CHALLENGES
9	Dr. Rajesh Rathod	IMPROVING BASIC MATHEMATICAL MISTAKES IN FACTORIZATION USING REMEDIAL TEACHING AMONG 8TH CLASS STUDENTS
10	Dr. RuchaDesai	DIAGNOSIS AND REMEDIATION OF THE LEARNING DIFFICULTIES OF STANDARD – 9 STUDENTS IN MATHEMATICS
11	Dr. Sangeeta Ashutosh Shrivastava	ACTIVITIES FOR IMPROVING PUBLIC SPEAKING AND CREATIVE WRITING IN GRADE 11 AND 12

Lunch Break: 01:45 p.m. to 02:15 p.m.

Session VI:2:15 p.m. to 4:00 p.m.

Chairperson: Dr.Shamim Aara Hussain		
Rapporteurs: Jaya M and NibeditaB		Technical Assistance: Pankaj
S. No.	Name	Topic
1	Dr. Subash Chandra Patra	TEACHING SCIENCE WITH LOW-COST LEARNING RESOURCES AND ROLE OF TEACHER
2	Dr.Sweta Sharadkumar Chauhan	EFFECTIVENESS OF LEARNING TASK PACKAGES IN BIOLOGY ON SCIENTIFIC APTITUDE OF STUDENTS AT CLASS-XI
3	Dr.Mili Singh Dr. Y. Vijaya Lakshmi	ENGLISH TEACHERS' CLASSROOM PRACTICES
4	Prakash	EFFECTIVENESS OF PAPER FOLDING ACTIVITIES IN LEARNING THE CONCEPTS OF MATHEMATICS IN CLASS 8TH OF GOVERNMENT SENIOR SECONDARY SCHOOL JHOJHUKALAN, DISTT. CHARKHIDADRI HARYANA

5	Garudeswar Das Sri Ajay kumar Ekka	GARIMA AWARDS AND ITS IMPACT ON ACHIEVING LEARNING OUTCOMES(LO) BY LEARNERS AT ELEMENTARY LEVEL-- A CASE STUDY OF LEARNING ENHANCEMENT PROGRAM (LEP)AT GOVERNMENT SCHOOLS OF SUBDEGA BLOCK OF SUNDARGARH DISTRICT ,ODISHA.
6	Mr. Sanjay Kumar Sen	A STUDY ON PROSPECTIVE TEACHER'S CONCEPTUAL TRANSFORMATION IN SECONDARY SCHOOL SCIENCE KNOWLEDGE: AN ACTION RESEARCH APPROACH
7	Swati Modani	ACTION RESEARCH IN MATHEMATICS TEACHING USING MATHART:- MULTIPLE INTELLIGENCE TEACHING METHODOLOGY
8	Ujjala Singh	ACTION RESEARCH ON ADDRESSING AND IMPROVEMENT IN SCIENCE LEARNING
9	Dr. Shilpa S. Papat	EFFECT OF VEDIC MATHEMATICS ON MATHEMATICAL CALCULATION SPEED
10	Vinay D. Takale	STUDYING CONCEPTUAL UNDERSTANDING IN SCIENCE SUBJECT OF STD X
11	Babita Thukral	EVALUATING EFFECTIVENESS OF GAME BASED TOOLSIN SCIENCE TEACHING AND LEARNING

Tea Break: 4:00 p.m. to 04:15p.m.

Valedictory Session: 04:15 p.m. to 05:00 p.m.

S.No	Expert	
1	Welcome Address	Prof.H.B.Patel Project Director, PMMMMNMTT
2	Valedictory address	Prof. J.P.N. Mishra, Professor and Dean School of Life Science, Central University of Gujarat
3	Certificate distribution	
4.	Feedback	
5	Vote of thanks	Dr. Y. Vijaya Lakshmi Conference Convener
Rapporteurs: Jitendranat H Gorai & Bablu		Technical Assistance: Anjali W

Pre-Conference Feedback

padlet



vijaya lakshmi + 26 · 15d

Pre-Conference Feedback

Please write the feedback about pre-conference experiences in 3 to 5 lines

Excellent arrangements
Thanks for the great support,
ma'm.....



I do admire the sense of responsibility and accountability towards the event and in real sense Dr. Vijaya has proved herself as coordinator..... It was good experience to me as well as others...

Hello Vijaya Ma'am, your constant care service helped a lot. The instructions are crystal clear. I can expect a good rapport and communication in the conference. No doubt, you will make the event a memorable one. Thanks !
Regards
Rajesh Patil

Thank you ma'am
For providing all the details related to the conference.
Also, attending my queries and providing the guidance for the same...
Looking forward to meet you and your team in your esteemed institution.
Warm Regards
Dr. Anju C.

Hello and congratulations in advance to the conference team. It will be an successful event. I must say the efforts of Vijaya Lakshmi Ma'am is excellent. She is taken care of each and every concern of the participants. Also, we are well aware in advance about the important notification and information of the conference. Looking forward to participate. Thank you.
Best Regards
Dr Sangeeta Dey

I am always indebted and feel happy about the way how nice the preworkshop activities communicated among participants by seminar coordinator Mrs Vijay ma'am. The Action Research is the common concept all most educational institutes under go. Even though many misconceptions are continued among practitioners of different level educational institutions. There is a less or no clarity and uniformity in envisaging the Action Research in TTI's. So in this connection the present seminar will be through the light on the burning issues of the Action Research. Once again thanks to the organizing committee. Dr. Jagadeesh Basapur

Thank you
I'm really thankful to Vijaya ma'am, who provided us a constant support regarding conference. We all are hoping for a beautiful event ahead. Good luck!

Quick response ... Proper instructions... Great communication... For pre_conference. Thanks for guide

Splendid work mam.

Good communication And supporting team. 🙌

It is good to be a part of it

We got proper directions time to time and the convener was found so supportive and free to communicate always. Also technology is being well used for effective and speedy communication. In short I am fully happy about your well planned programme.

Organizing an event or conference can be is a challenging task. It needs time, effort, patience, and perseverance. From the planning period, looking for designated speakers, getting people to register is a very tough task. But hats off to you Vijaylakshmi mam for organizing and managing everything with perfection. You were great help from the very first day and I know the conference will end up in huge success. All the best to everyone and hope to meet you all in the conference.

Nirmala Gupta

Thank you mam for your well organized conference

Respected madam,
Thanks for your kind cooperation. Please send a message to smt. Puspa Minx, D.E.O. Subarnapur, to treat participating in National Conference at CUG as duty leave as it is a Govt. programme aiming at professional growth of a teacher. With regards, Pranabandhu Hota

Thank you for the prompt replies to all the emails sent by Dr Vijay Laxmi. Looking forward to attending the seminar and a lot of takeaways.

Communication till today is Very harmful and effective.

It's my great pleasure that I will be a part of this amazing seminar. I am thankful to the central university for providing such a wonderful educationist of our country who are playing an extremely unique role for the future of our country. I request central university and vijay mam to provide us a platform where we can put photos/videos of our innovations to with our innovative work, which may guide new comers of education. Thanks central university and vijay mam. I personally become one of your fan and I would like to learn so many things from u mam. Nikunj R. Vagadia Guinness World Record Awardee Teacher and a Ph.D Scholar, Rajkot

Pre-conference feedback
Please write your feedback regarding the pre-conference interaction with us.

Thoughtful and timely communication established. Minute details were addressed too well.

HI,
CAN WE GET D.L. FOR SEMINAR ? I AM BELONG TO PRIMARY EDUCATION IN GUJARAT...
- DR. PRATIK MEHTA
HAPPY2HELP

Hello Everyone.....
Congratulations to School of Education, Central University of Gujarat for organizing the National Conference on Action Research. The Response of Vijaya Lakshmi Madam is Excellent. All information and Guidance related to conference was conveyed well in time. Happy to be part of this conference. Hopefully, Conference would be a great success under the able leadership of Vijaya Lakshmi Madam. Looking Forward to Participate in the Conference. Many thanks to all and Happy Learning.....

Thanks to the organising committee for arranging such a great event. I thank Madam Vijaya for her constant help in every way. I am looking forward to attend the conference.

Hi

Quick response. Timely information and interaction.
Dipak choudhari

Thanks to the convener for providing timely update information and supportive nature

MY OPINION
Respected madam, Communication plays a vital role in every platform. Amicable response, acceptance and discipline always help in construction of a good academic relationship. In case of academic support ICT based communication accelerates the progress in no time. In this process I experienced everything that I depicted, from your side. It is amazing and glad to award ★★★★★ rating.
Thanking you

PRAFULLA KUMAR
GOCHHAYAT

IN MY
OPINION

Day 1

Inaugural Session

21st October, 2019 10:00 A.M. to 11:00 A.M.

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

Welcome	
Welcome Address & SE Profile and About PMMMNMTT	Dr. J.N. AMIN Associate Professor, I/C Dean, School of Education, CUG
About the Seminar	Dr. Y. VIJAYA LAKSHMI Convener, National Conference Assistant Professor, SE, CUG
Inaugural Address Guest of Honor	Dr. P. BHARTHI , IAS, Director, SSA
Vote of Thanks	Dr. SHILPA S POPAT Assistant Professor, SE, CUG
Rapporteurs: Bablu Karan & Ishita	

On 21 Oct, 2019, School of Education, Central University of Gujarat organised the inaugural programme of two days national conference on Action Research in School Education. The session was started with warm welcome to all the experts and signatories' by Jaya Mrinalini, Ph.D. scholar, on behalf of entire School of Education, Central University of Gujarat. The inaugural session was continued with a welcome song: "*Vaishnav Janata*" by Aparajita Mahanti, Msc. Department of Industrial Chemistry. Dr. J. N. Amin, Associate prof. of School of Education, Central University of Gujarat was invited to welcome Dr. P. Bharati, IAS, Director, SSA by providing a token of love. It was followed by Dr. G.R. Angadi, Associate prof, School of Education, Central University of Gujarat, to welcome Prof. Rajendra Pal, CIET, NCERT, by presenting a token of appreciation. Similarly Dr. Y.Vijaya Lakshmi, Assistant prof., School of Education, Central University of Gujarat welcome to Prof. Ashutosh Biswal, Department of Education- CASE, M.S. University of Baroda.

Dr. J. N. Amin was invited on dais to deliver a welcome address about the conference. At first, he welcomed all dignitaries, experts, participants, guests from various institutes. He introduced briefly about the project of PMMMNMTT. He said that it is the conference on Action Research in School Education under the scheme of PMMMNMTT and 8th programme initiated by Dr. Y.Vijaya Lakshmi in School of Education, Central University of Gujarat. By expressing about the conference, he once again welcome to all and gave his best wish for all the presenters.

Dr. Y.Vijaya Lakshmi, convener of the conference on Action Research in School Education, was invited to orient about the national conference on Action Research in School

Education in which she heartily welcomed all the members present in conference. She stated that action research is the reflection of action to improve the institutional practice. She also mentioned about the sub-themes such as teaching learning practice, guidance and counselling service, evaluation services etc. She appreciated all the presenters such as teachers, teachers-educators, administrators, principals from 15 states of the country for their valuable findings. Then, she gave a brief introduction about guest of honor, Dr. P. Bharati and welcomed her for inaugural speech of conference.

Dr. P. Bharati, at first, expressed her pleasure to be invited in such national level conference as a guest of honor. She was thankful to entire School of Education in general to organize conference on Action Research in School Education and especially to Dr. Y.Vijaya Lakshmi for giving her opportunity to express the view on action research. She briefly talked about the Action Research in School Education and its importance. She stated about the action research project on online platform, they are providing in their institute under SSA. She talked about the ICT initiative has been taken to better learning outcome. She also expressed that they are providing online modules for special teachers, online teaching for disable learners, digital classroom, and smart classrooms to increase the learning outcomes. She also welcomed to all interest dignitaries and presenters to join in their project of online action research for more contribution. At last she once again gave a warm thanks to Dr. Y.Vijaya Lakshmi, the convener of the conference and her best wishes towards success of the programme.

The inaugural session was proceed through inviting all the experts, guests and guest of honor on dais to announce the conference open by opening the abstract book. Followed by this, Dr. Shlipa S. Popat, Assistant Prof., School of Education, Central University of Gujarat, was invited for vote of thanks of the conference. First of all, she gave her warmly thanks to Dr. P. Bharati, guest of honor for giving her valuable time in conference instead of her busy schedule. She gave her appreciation to all dignitaries, presenters and welcomed them all in two days national conference. At the last but not the least, she gave her best wishes for the success of the conference.

Photo Gallery of the Inaugural Session



Session I: Plenary

Venue: Seminar Hall

Experts	Topics
Prof. Ramesh Babu Professor, Dean, Research RIE, Bhopal	TEACHER AS A REFLECTIVE PRACTITIONER
Prof. Ashutosh Biswal Department of Education-CASE Faculty of Education & Psychology The M.S. University of Baroda, Baroda.	CASE STUDY IN ACTION RESEARCH
Chairperson: Prof. Ashutosh Biswal Rapporteurs: Onima Dakpe & Anjali Warbal	

The conference started on 21st October 2019, featuring an impressive-line up of speakers. The plenary session on Action Research started from 11:15 a.m. Dr. Y. Vijaya Lakshmi introduced Professor Ashutosh Biswal and requested him to present the paper. The 1st plenary session was started by Dr. Ashutosh Biswal, he presented the paper on “Case Study Approaches in Action Research”. He took the case study of 5 students, which was

tested by their class teacher. So, in order to solve the problems of the students, the teacher contacted with the students, parents, previous teachers of the students, friends, classmates. The teacher discussed with their counselors also to identify what type of problems students are facing in the classroom. The teacher also observed the students in the classroom. After the analysis the teacher found out that the students were demotivated by their teachers, when they were in the primary level. Which made them to think that they were not good at studies and they felt uncomfortable to take participate in the classroom.

Resource person explained the concept of the action research, its characteristics, how it contributed in the theory making and research. He also discussed about the different types of Action Research like diagnostic, participant, empirical and experimental. After that he described about the steps of action research with the help of a diagram, he mentioned about the following steps:

- Step 1- Identify problem
- Step 2- Action plan
- Step 3- Take action
- Step 4- Evaluating
- Step 5- specify learning

Dr. Ashutosh Biswal also shed light on the concept of case study, characteristics of case study research, its types where he elaborated about intrinsic, instrumental, multiple or collective and problem oriented case studies. He also explained about the different case study designs. The different types of tools, which he discussed including document analysis, archival records: Historical Evidence, interview, direct observation, participatory observation, focus group discussion, physical artifact: man-made object that has some kind of cultural significance and photos. He also enlivens us with the analysis techniques of case study. Resource person explained about what are the benefits of the case study approaches in action research. He discussed about the difference between case study and action research, where he cleared our confusion regarding action research and case study.

He has thrown light on the concept of case study approach to action research, what are the benefits of case study approach in action research. After the presentation the session was opened for the discussion. All the participants took active participation in the discussion round.

Then, Prof. Vijaya Lakshmi had welcome Prof. Ramesh Babu, Dean, Research RIE, Bhopal. Prof. Vijaya Lakshmi called Prof. Ramesh Babu Dean, Research department of

education, RIE Bhopal. He has 25 years of teaching experience and 17 years' experience of research. He has guided 50 M.Ed. students and 6 Ph.D. He has completed 6 projects out of which one is collaboration with UNESCO and NCERT. He authored 4 books, 2 in Telgu language and 2 in English language. After that, Dr. Vijaya Lakshmi requested Dr. Shankar Lal Bika to welcome Prof. Ramesh Babu.

Then, Prof. Ramesh Babu started his lecture on teacher as a reflective practitioner; he put certain proposition so that we can connective on why a teacher needs to be referring? And how a teacher can become refer? His first proposition was humans are intentional beings. He also told humans are purposeful beings and told that teaching is highly intentional activity. Then he call humans are normative beings and he called this proposition is most complicated one. He told that human cannot live without ethical values because we lived with certain values. Since humans are ethical beings but there is a possibility of being unethical.

Furthermore, he defined action research is a research is on or for action but for action we can improve. Then he told that there are 2 kinds of activity one is reflexive and other one is reflective. Reflexive activity is unintentional, unconditional activity. He told that animals are more reflexive than humans. Human do have reflexes their actions are reflexive actions. Human can live in past, present and future. After that he discusses about reflection, ho told that reflection is deliberate, planned and intentional activity. Human are active reflection. Reflections are very purposeful and futuristic. Without reflection a person cannot having planning. He also told that humans are historical but animals are not. Therefore education is a historical event. Then he gave an example and told reflective activity is a product oriented activity. Learner has consciousness. If, there are 40 students, than 40 kinds of reactions will be there. Teaching learning process is an interactive process. Since it is highly diverse what kind of diversity is there? He also discussed that as a teacher we have to understand the basic nature of classroom teaching but Indian teacher fails in it.

He highlighted that education is not teach something, education give structure of something and give habit of thinking. Then he asks complexity, multiplicity and diversity is the base of classroom. Knowledge not be given but must be constructed and acquired. After that, he asks 2 assumptions that learning is the outcome of the teacher; learning is equal to teaching (autocratic/predictive/dangerous). He told that learning is always either more or less than teaching, leaning cannot be equal to teaching and told that teaching learning process is not a product, it is a process. Learning is not prefixed because learning happens in context. Learners learn different because of different context and knowledge is originate from context

and the he discussed that how context influence learning and how context is friendly to one student but not to another. As a teacher he has to analyze or reflect on given context.

He also told that every child can learn but most of the teachers do not fit to teach in the classroom. He also called leaning is a cultural act but not a cognitive act. Criterion should be humanistic not be autocratic and judgmental. He also called Indian teachers are highly judgmental and judgmental does not allow diversity. He also told that teachers always ask the learner to learn the way he teach but can the teacher teach the way learner learn. If a teacher does these kinds of reflections you all will become the reflective practitioner. Teacher should have critical reflection.

He told that let us promote the culture of reflection among the teachers first so that teacher tries to implement these reflection in the classroom and reflective classroom slowly make the learner to think and define action research is the systematic reflection on what you are doing is action. He ends the session by saying that let us classroom become thinking room not a listening room. After that four participants ask few question and then the session ends.

Photo Gallery of the Session



Session II

Venue: Seminar Hall

Chairperson: Prof. Rajendra Pal	
Rapporteurs: Varinder Singh & Bablu Karan	
Presenters	Titles of the Paper
Saurabh Shukla	SCHOOL STUDY-MATERIAL BANK – A SELF-HELP INITIATIVE FOR PROMOTION OF LEARNING IN SCHOOLS OF BASIC EDUCATION BOARD IN UTTAR PRADESH
Dr. Sunayana J. Kadle	EFFECTS OF INTERNSHIP IN SPECIAL SCHOOLS ON STUDENT

	TEACHERS BEHAVIOR AND ATTITUDE TOWARDS INCLUSION
Jayamala Sethi	EFFECTIVENESS OF THE BILINGUAL DICTIONARY IN ADDRESSING THE PROBLEMS OF THE LEARNERS OF ST COMMUNITY
Parmar Sunilkumar R	THE IMPORTANCE OF GUIDANCE AND COUNSELING AT UPPER PRIMARY SCHOOL: ROLE OF THE TEACHER
Sandip Dutta	ROOT FOR STEM: AN INTERVENTION TO MAKE CAREERS IN STEM MORE ATTRACTIVE
Dr. Sumeet Nandkumar Ramchandani,	ENHANCEMENT OF THE THREE (DO NOT SPEAK LIE, TO BE HELPFUL TO CO-STUDENTS, DO NOT CHEAT IN EXAMS) CHARACTERISTICS OF THE ETHICS THROUGH NEWSPAPER READING, STORYTELLING AND DEBATE COMPETITIONS AMONG STUDENTS OF EIGHT STANDARDS: A CASE STUDY
Dr (Prof.) Anirudh Prasad Singh	AN OBJECTIVE STUDY ON THE IMPACT OF COUNSELING AND GUIDANCE AMONG THE CHAPARTALA BASIC PRIMARY SCHOOL STUDENTS IN PHOOL - BEHAR BLOCK OF LAKHIMPUR KHERI DISTRICT IN THE STATE OF UTTAR PRADESH
Dr. Sangeeta Dey & Prof. Rajendra Pal	FACTORS MOTIVATING TEACHERS AND EDUCATORS FOR JOINING AN ONLINE COURSE ON ACTION RESEARCH IN EDUCATION

The second session was started by Dr Shamim Ara Hussain, Asst. Prof., School of Education, Central University of Gujarat by presenting token of love and respect to the Prof. Rajendra Pal, Professor and Head CIET, NCERT and Dr. Ramesh Babu, Professor, Dean of Research, RIE, Bhopal. Also, Dr. Shamim Ara Hussain invited Prof. Rajendra Pal on stage to take the seat as a chairperson of the session. Prof. Rajendra Pal bided best wishes to all the participants.

The first paper was presented by Dr. Sunayana J. kadle, Asst. Prof., Gandhi Shikshan Bhavan's, Smt. Surajba College of Education, Juhu (North) Mumbai. She presented on the topic '*Effects of Internship in Special Schools on Student Teachers Behaviour and Attitude towards Inclusion.*' The objective of the study was to study the effect of the internship in special schools on student teachers behavior and attitude towards inclusion. An action research study was carried out on the 49 B.Ed. Student teachers by using the experimental method. The one group pre-test post- test experimental design was used for the study. The student teachers were divided into four groups and sent to four special schools which were catering to the students with different learning disabilities in Mumbai. The mean of the scores obtained by the pupils on the attitude scale on the post test is higher than the mean of the scores obtained by the pupils on the pre-test. This indicates that there was a change in the attitude towards inclusion of the students after the experiment. The results showed that there was a change in the attitude of student teachers towards inclusion. Student teachers were highly sensitized towards the students of the special school they met. The student teachers

were motivated to learn the course on inclusive education and connected their observations and learning during the day to day classroom instruction effectively. Also, Dr. Kadle answered several questions from the audience regarding the data collection and implication of the study.

In the second presentation, Saurbh Shukla, Assistant Teacher, P. S. Pipariya Bhojipura, Bareilly, Uttar Pradesh efficiently shared a self-help initiative for the promotion of learning in schools with the help of school-material bank. The main objective of this practice was to provide help to the students at random in the absence of study material or stationery in classroom. Mr. Shukla also shared some data indicating the active school-material banks in different parts of India. Also, Mr. Shukla clarified the audience's enquiries about organizing and extending the scheme.

Dr Jayamala Sethi presented the paper on *Effectiveness of the Bilingual Dictionary in Addressing the Problems of the Learners of ST Community*. The study was conducted to identify the difficulties faced by the students of class-V in relation to reading and reading comprehension and to develop the strategy for improving the language competency relating to reading and reading comprehension of class-V students. The researcher used Pre-test and Post- test experimental design. At first a pre-test was administered to the class- V students. The question items were based on the reading a paragraph, identifying the main ideas, characters and arranging the ideas or thoughts in a sequence manner. Then the answer sheet of the students was checked by the researcher to find out the level of understanding of the text or the theme. Strategies used by the researcher were useful and benefitted the learners to enhance their skills and sub skills of language learning. It was found that the performances of students in reading and reading comprehension skills were improved after the intervention. The Student teachers were motivated towards the teaching learning process.

Parmar Sunil kumar R., Head Teacher, Khanda Hadmatiya Primary School Taluka- Jasdan, Dist- Rajkot presented a paper on *The Importance of Guidance and Counseling at Upper Primary School: Role of the Teacher*. The objectives of the study were to study the role of the teacher the Importance of Guidance and Counseling at Upper Primary School, to study the benefits of the school counseling program for students and to study the aims of guidance and Counseling in schools.

Dr. Sumeet Nandkumar Ramchandani, Samrat Ashok primary school, presented paper on the topic *Enhancement of the three characteristics: "do not speak lie, to be helpful to co-students, do not cheat in exams," of the ethics through newspaper reading, storytelling and debate competitions among students of eight standards: a case study*. The objectives of the

study was to enhance the characteristics of ethics through newspaper reading among the students of eight standard, to enhance the characteristics of ethics through storytelling among the students of eight standard and to enhance the characteristics of ethics through debate competition among students of eight standard. The researchers used three activities: Story telling, debate competition and newspaper reading.

Dr. Sangeeta Dey, Media production division, Central Institute of Educational technology, National Council of Educational Research and Training, presented the paper on 'Factors Motivating Teachers and Educators for Joining an Online Course on Action Research in Education' The purpose of the study was to investigate the motivating factors or reasons behind joining the online course on action research by the teachers and teacher educators. The sample of the investigation included number of registrations received from the teachers and teacher educators for the year 2017-18 and 2018-19. Teachers and Teacher educators provide various academic as well as technological reasons for joining this course. The motivating factors for applying this online course on action research in education provided by the teachers and teacher educators for both the year 2017-18 and 2018-19 were categorized through content analysis. Based on this categorization, 10 motivating factors were identified, and these categorized motivating factors were encountered 1284 times through content analysis.

Photo Gallery of the Session



Parallel Session II

Venue: M.Ed. Classroom

Chairperson: Dr. Shilpa S. Popat Rapporteurs: Deeya and Ishita	
Presenters	Titles of the paper
Dr. Anju Chaplot	ACTION RESEARCH TRAINING; AN EFFECTIVE METHOD TO INCULCATE PROBLEM-SOLVING CAPABILITIES IN THE PROSPECTIVE TEACHERS
Gautam Parmar	STUDY ON PERCEPTION TOWARDS MOBILE USAGE IN CLASSROOM
Yogesh Kumar	TO IMPROVE THE ACADEMIC PERFORMANCE OF STUDENTS BY USING MIND MAPPING-AN INNOVATIVE ICT ORIENTED TECHNIQUE TO LEARN AND MEMORIZE
Sri Jeevan Kumar Sahoo	ISSUES & CONCERNS IN TEACHING SCIENCE IN SECONDARY SCHOOLS
P Srirenganayaki	ENHANCING THE SKILL OF USING SMART VIRTUAL CLASSROOM WHITE BOARD AMONG THE TEACHER'S OF SVC SCHOOL OF GOVERNMENT HIGHER SECONDARY SCHOOL THIRUCHENDURAI, TAMILNADU
Dr.Mili Singh & Dr. Y. Vijaya Lakshmi	ENGLISH TEACHERS' CLASSROOM PRACTICES

The chairperson was welcomed by Dr. Shankar Lal Bika, Assistant Professor, Central University of Gujarat. The paper presentation started with Dr. Chaplot, Assistant Professor from Thakur Shyamnarayan College of Education and Research, Kandivali.

Paper 1: Action research training; an effective method to inculcate problem-solving capabilities in the prospective teachers.

The paper discussed about two topics:

1. Career Guidance which was to find knowledge of FYJC students about their career choices along with awareness about their career options.
2. Readiness of inclusive education which was to create awareness on inclusive education and how to sensitize them and develop feelings of being together.

Paper 2: Mr. Parmar, Assistant Professor, ASPEE. Study of Perception Towards Mobile Usage in Classroom. The study was to be made to help the teachers in making learning teaching process easier by creating new and innovative approaches and to find the positive usage of mobile technology.

Paper 3: Mr. Kumar, Teacher in Biology, Head, Dept. of Biology, Jawahar Navodaya Vidyalaya Shimla, Himachal Pradesh. To improve the academic performance of students by using mind mapping- an innovative ICT oriented technique to learn and memorize. The

outcomes and educational implications were that clearer understanding of relationships and facts, ability to reach across varying cultures and learning abilities, beneficial to all students and improvement in classroom skills as mind mapping is a useful teaching resource and an aid for preparing and reviewing lectures.

Paper 4: Mr. Sahoo, Asst. Teacher, Sarada Academy, Kanakpur, Jagatsinghpur, Orissa. Issues and concerns in teaching science in secondary schools. The study dealt with the interest, attitude, self-efficacy of class 9 students towards science, accessibility of the teachers. Samarthya programme was used. The study aimed to provide essential education and information services to keep rural communities alive as well as to bridge the gap between the teachers with the lack of handling modern technologies with the students more efficient in handling the modern technologies.

Paper 5: Ms. P. Srirenganayaki, Lecturer, State Council of Educational Research and Training, Chennai. Enhancing the Skill of Using Smart Virtual Classroom White Board Among the Teachers of SVC School of Government Higher Secondary School Thiruchendurai, Tamil Nadu. The study dealt with the enhancing of the skill of using the smart virtual classroom white board among teachers of SVC and enhancing the teaching learning process through improving teaching efficiency of teacher.

Paper 6: Ms. Singh, Principal, Primary English Medium, School of Achiever and Dr. Y. Vijaya Lakshmi, Assistant Professor, Central University of Gujarat.

English Teachers' Classroom Practices: The study dealt with English teacher's learning experiences and improvement the language and communication skills among students and the inclusive practices adopted by them. After the six paper presentations a **common question answer session** was held.

Photo Gallery of the Session



Session III

Venue: Seminar hall

Chairperson: Dr. Shankar Lal Bika Rapporteurs: Nancy Gogia & Chitra Chakma	
Presenters	Titles of the Paper
Dr. Vidhu P. Nair Naimisha Parmar	A STUDY ON THE INFLUENCE OF CLASSROOM MADE SHORT FILMS IN SOCIOEMOTIONAL COMPETENCE OF PRIMARY SCHOOL PUPILS
Dr. C R Vijayan	EFFECTIVENESS OF ICT INTERVENTION ON THE PRONUNCIATION OF SELECTED SILENT LETTER WORDS AND MISPRONOUNCED WORDS IN ENGLISH AT SECONDARY LEVEL
Dillip Kumar Dhal	IMPROVEMENT OF TEACHING LEARNING PRACTICE WITH USAGE OF LOWCOST TEACHING LEARNING MATERIALS
Dr. Dipak M. Choudhari	FLIP THE TIMETABLE TO INCULCATE THE HABIT OF SELF-LEARNING AMONGST THE STUDENTS
Mrs. Mona A Shelke	DEVELOPMENT OF STRATEGIES TO IMPROVE THE BASIC OPERATION SKILL IN MATHEMATICS FOR STD 3 TO 5 STUDENTS OF NOVEL INTERNATIONAL SCHOOL AT PUNE, MAHARASHTRA
Nikunj R. Vagadia	CONSTRUCTION OF DRAMA BASED LEARNING PROGRAMME AND ITS EFFECTIVENESS ON THE LEARNING OF THE ACCOUNTANCY
Padaraj Umakanta Nayak	ASSESSING THE PROCESS SKILL & INTEREST OF ELEMENTARY STUDENTS TOWARDS MATHEMATICS: A CASE STUDY ON STEM EDUCATION IN MY SCHOOL

The third technical session of National Conference on Action Research in School Education was commenced with a warm welcome to Dr. Shankar Lal Bika, Asst. Prof. Central University of Gujarat by Dr. Shilpa S. Popat, Asst. Prof, Central University of Gujarat. She gave a short introduction on Dr. Shankar Lal Bika and requested to chair the session.

I. Dr. Vidhu P. Nair and Naimisha Parmar

Topic- *The study of influence of classroom made short films in socio-emotional competency of primary School*

Dr. Vidhu P. Nair stated that learning is about the production of reflection and a teacher cannot prefix the extent of learning happening in class and let the classroom reflect for learning on a given content and context. The presenter defended the topic by showing a small video which focused on a context for personalized reflection, leading to sustainable behavioral changes.

II. Dr. C.R Vijyan and Archana Singh

Topic- *Effectiveness of ICT intervention on the pronunciation of selected silent letter words and mispronounced words in English at secondary level*

Dr. C.R Vijyan started his presentation by introducing systematic reflection on listening and speaking in English. Regarding the background of the study he highlighted that students and teachers face difficulties in pronunciation of English words. Keeping in mind he framed the following objectives:

1. To collect and classify silent letter words and mispronounced in English
2. To find out the effectiveness of ICT intervention in improving the pronunciation of silent letter words and mispronounced words in English.
3. To know whether there was any medium effect (English and Malayalam) in the ICT enabled learning.

Thus at the end the presenter revealed that there was highly significant improvement in pronunciation of selected words after ICT intervention among both English and Malayalam medium students.

III. Dilip Kumar Dhal

Title- Improvement of teaching learning practice with usage of low cost teaching learning materials

Dilip Kumar Dhal started his presentation by explaining the objectives of teaching of science which is the inculcation of scientific attitude and training in the scientific method. In his school the presenter found that demonstration and experimentation is not effective due to lack teaching and learning material. In his study presenter highlighted the following objectives:

1. To, research, design an activity or experiment and procedure appropriate TLM for secondary school science students.
2. To find out the effectiveness of usage of low- cost TLM during teaching learning process in terms of academic achievement.

The presenter in his action research used experimental method which included pre and post test phase. It was found out that mean of the post test phase was significantly higher than the mean of the pre phase. Thus the hypothesis that the effective usage of low cost TLM in general science increase test scores was accepted.

IV. Dr.Dipak M. Choudhari and Dr. Sayali D. Choudhari

Title-Flip the Timetable to Inculcate the Habit of Self- Learning amongst the Students

V. Mrs. Mona Amarjit Shelke

Title- Development of strategies to improve the basic operation skill in mathematics for standard 3 to 5 students of novel international school at Pune, Maharashtra

Mrs. Mona began her presentation by following the background of the study where she found that many of her students complain in mathematics subject. The presenter also mentioned that learning by doing is an effective methodology in teaching learning process. The presenter also highlighted the following objectives of the study:

1. To study and analyse different strategies for improving basic operations skill in mathematics.
2. To compare performance of improvement in mathematics at pre and post stage of basic operations (teacher intervention with one group)
3. To study students' attitude towards mathematics.

The presenter used learning strategies like pair work and time testing etc. The presenter used descriptive research design in the action research. The sample of the research was Novel international school and different teaching strategies were also used by the presenter. The action research was concluded by stating that attitude and opinion towards teaching and learning of basic operation skill in mathematics which was found not so positive and there is a need for improvement in teaching methodology to increase the performance of the students and their attitude towards mathematics.

VI. Nikunj R. Vgadaia

Title- *Construction of drama based learning programme and its effectiveness on the learning of the accountancy*

VII. Padraj Umakanta Nayak

Title- *Assessing the process skill and interest of elementary students towards mathematics: A case on STEM education in my school*

The last presenter of the session Mr. Padraj Umakanta Nayak commenced his presentation by following on process, skill, interest, and mathematics and STEM education. Furthermore the presenter elaborated the objectives of the action research. In the research work the presenter took fifteen samples followed by survey, observation method and analysis of last three years annual examination marks of students in mathematics. The task of the research was developed on the basis of mathematics curriculum, text book, low cost and no cost teaching learning material (TLM) for class eighth students which included methodologies like direct observation, survey and t- test etc.

Thus the session got conclude by the final statement by the Assistant professor Dr. Shankar Lal Bika (School of Education, Central University of Gujarat) that in action research the objectives can be one but there must be the implications of the action research on the society.

Photo Gallery of the Session



Day 2

22nd October, 2019

Session IV: Plenary, 09:30 a.m. to 11:45 a.m.

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

Experts	Topics
Prof. Saroj Yadav Dean (Academic) NIE, NCERT	CONTEMPORARY TRENDS, ISSUES AND CHALLENGES IN SCHOOL EDUCATION
Prof. Rajendra Pal Professor and Head Media Production Division CIET, NCERT	PHILOSOPHY OF ACTION RESEARCH IN EDUCATION
Dr. Prerana H Shelat Associate Professor, Head PG Programme Indian Institute of Teacher Education (IITE), Gandhinagar	ISSUES AND CHALLENGES IN ACTION RESEARCH
Rapporteurs: Tripti Singh & Shazia Kouser	

The Plenary session on Action Research in School Education started from 9:30 a.m.- 11:45 a.m. at the beginning of the session Miss Jaya Research Scholar from School of Education Central University of Gujarat welcomed the Guests and expert Prof. Saroj Yadav, Dean (Academic), NCERT, New Delhi, Prof. Rajendra Pal and Dr. Prerana H Shelat.

Research Scholar Miss Jaya invited Prof. Shamim Ara Hussain to welcome Dr. Prerana H Shelat. Ribbon Ceremony of Feedback wall was done by Prof. Saroj Yadav Dean (Academic), NCERT, New Delhi.

Research scholar Miss Jaya announced all the participants to give their honest feedback in the feedback wall. Then, Prof. Vijaya Lakshmi introduced Prof. Saroj Yadav and

she welcomed her for the preliminary session and then she also introduced Prof. Rajendra Pal and Dr. Prerana H Shelat and she welcomed both of them also.

Prof. Saroj Yadav, Dean (Academic), NCERT, New Delhi, she is Presently working as Dean (Academic) in NCERT and guiding the faculty in academic matter related to research, development, training and extension activities and also coordinating the programme of National Population Education and Adolescence Education in States and Union Territories. She worked as Head, Department of Social Sciences also in NCERT. Have more than thirty years' experience in the area of School Education and teacher education. She also have experience of working in the area of health & Physical Education including yoga. Attended many seminars and conferences and presented papers at the National and International level and programmes organized by MHRD, UNESCO, UNPFA, MOHW, NACO, Civil Society Organization and State Level Institutions.

Presently work as

The specific experiences gained during this period are:

- Conducted a comprehensive evaluation study of NCERT Textbooks in social sciences and languages by adopting Rational and Empirical approaches as a follow up of National Curriculum Framework for School Education.
- Planning, coordinating, developing strategies and providing technical monitoring support to the National Population Education Project in States and UTs.
- Development of training and Advocacy materials in population education.

Dr. Y. Vijaya Lakshmi also gave brief introduction of Prof. Rajendra Pal and Dr. Prerana H Shelat and welcomed them for the session. Prof. Rajendra Pal has completed Bachelors of Science (Bio Science), Masters of education, Devi Ahilya Vishwavidyalaya, (DAVV) Indore, and Madhya Pradesh, India. He is serving national council of educational research and training (NCERT), New Delhi, India since 1995 in various capacities in the area of Educational research and presently working as Professor and Head of Media Production Division, Central Institute of educational Technology (CIET), a constituent unit of NCERT. He is the channel coordinator of one of the Educational Television Channel "SWAYAM PRABHA". Prior to NCERT he has worked at Academic Staff College DAVV, Indore. National Institute of Educational Planning and Administration(NIEPA) ,New Delhi, National council for Teacher education (NCTE) New Delhi etc. Being in NCERT, he has designed, developed and executed first online course on 'Action Research in Educational technology'

in 2010, organized first audio conferencing program, and associated with first audio conferencing program, and associated with first video conferencing of NCERT.

Prof. Rajendra Pal designed, developed and executed first Online Course of CIET, NCERT on Action Research in Educational Technology in 2010, organized first Audio conferencing program of CTE TL. NCERT and evolved “off timing model of audio conferencing” through All India Radio (AIR). He was associated with first ever Video: Teleconferencing of NCERT prior to Launch of EDUSAT (Education Satellite) and after EDUSAT (Education Satellite) and after EDUSAT and conducted several Orientation programs for teacher educators through Video conference. He conducted several research studies of NCERT Organized workshops and orientation programs on Educational Technology, ICT, Media Program Development and other related areas for Teacher Educators of DIETs/SCERTs, IASE and CTEs etc. He has written several Media scripts for audio and video programs, organized workshops on Action Research/Research Methodology/ Teaching Aids/ Microteaching/CCE. etc. for various Teacher Education Institutions. Founder Member of Global educational Research Association (GERA) and Life member of All Indian Association of Educational Research (AIAER) Author of Books entitled “Curriculum Yesterday, Today and Tomorrow “Experimental Educational Psychology ” “Capacity Building of Teacher and Educators: EDUSAT - Background, Researches and Guidelines” and “Content Analysis” Contribute chapters in several National and International Conference on Distance learning Research and innovation for a Digital Society held at Bangkok. He is also member of Board of Studies in Universities and Member in Editorial boards of journal of Education.

Dr. Y. Vijaya Lakshmi requested Prof. Saroj Yadav Dean (Academic) from NCERT to carry on the Session. Prof. Saroj Yadav discussed about the Contemporary Trends, Issues, Challenges and way Forwards in School Education Concerns. She started the session by discussing about various aspects of India’s Population. She also discussed about the Demographic and Education Profile of India in which she mentioned

- Population of India
- Population of Children
- Number of Teachers.
- Further she highlights the world Development Report (WDR 2018) – Learning to realize Education’s Promise in which she said
- Schooling without learning is not just a wasted opportunity, but a great injustice.

The three dimensions of learning crisis and its immediate causes

- Children arrive un prepared to learn
- Teachers often lack the skills or motivation to teach effectively.
- Inputs often fail to reach classrooms or to affect learning.
- Poor management and governance often undermine schooling quality.

She had mentioned three policy actions to address the crisis i.e.

- Access learning, to make it a serious goal.
- Act on evidence, to make schools work for learners.
- Align actors, to make the system work for learning.

In the world Development Report (2018) - learning to realize education's promise she had showed the data in which it was mentioned that

- More than 80% grade 2 students who could not read a single word for a short text.
- Grade 2 students who could not perform who could not perform 2 digit subtractions.

Then she also presented about various educational statistics based on reports of UNESCO Institute for Statistics, WEF- The Global Human Capital Report, PISA, GYD etc.

She further discussed about the issues and challenges of educational system i.e.

1. Poor infra-structure
2. One lakh single teacher government schools
3. Political interference in the administration
4. Corruption and Politicization of education management
5. Classrooms are over crowded
6. Neglect of Skill and Vocational Education.
7. Mal practices in the Examination System
8. Emotional bonding between the teacher and the taught has disappeared
9. Low Education Standards of Teachers and lack of Dedication.

She had discussed about the concerns of Students by highlighting major points

- Changing family structure, parenting styles and parental aspirations
- Problem in behavior and conduct
- Social Relations and Adjustment
- Body Image and many more things were mentioned for the student's concern.

A Snap Chat was showed for the children Health in India in which it was observed

1. 14 percent children's suffer from mental health disorders and one student in every hour commits suicide.
2. 54 percent girls are anemic perpetuates inter-generational cycle of anemia
3. 8-12 percent use tobacco and alcohol
4. 16 percent experience violence and 24 percent girls reported spousal violence
5. 27 percent of girls are married before 18 and 8 percent teenage pregnancies leading to poor pregnancy outcome.

She discussed about the school educational aims and then about the guiding principles of curriculum according to NCF-2005.

Elaborated Draft NEP 2019

Steps needed for quality Education

Discussed about the four pillars of education

1. Learning to know
2. Learning to do
3. Learning to live together
4. Learning to be
5. She provide knowledge about the attractive innovative approaches in the world in which she quoted
 - Distributed leadership is built on common tasks and shared values.
 - Network of trust

She had mentioned the things that will be obsolete in 21st century schools are colleges

1. Computer rooms
2. Isolated classrooms
3. Banning phones and tablets
4. Traditional libraries
5. Don't have Wi-Fi

She had showed the initiatives that were taken by NCERT and preparation of quality teachers, pre service education, textbooks and other materials were also shown and NCERT web portal for distribution of textbooks . She discussed learning outcomes for class I-VIII and then told about the learning outcomes app and pandemics mobile app was also introduced. Knowledge related to the life skills of teachers and students was provided.

- Dashboards were discussed
- Features of Nishtha was explained

- Features of web portal

And at last she quoted “we all are here to join a community of learners wherein we all continuously learn together, improve together, join hands and work together for advancing the capabilities of teachers and school heads focusing on skills, national and social concerns to provide quality education to all children. So, let us begin our journey with these valuable words she ended her presentation”.

Afterwards, Prof. Rajendra Pal was welcomed by Dr. Y Vijaya Lakshmi, Assistant Professor, School of Education to start his session and enlighten participants on Action Research. He is serving in NCERT since 1995 in various capacity in the area of educational research and presently working as Professor and Head of Media Production Division, CIET, a constituent unit of NCERT. He conducted several research studies, organized workshops and programmes on Educational Technology, ICT, Media Program Development and other related areas for Teacher Educators of DIETs/ SCERTs, IASE and CTEs etc. He has written several media scripts for audio and video programs. He is also Founder member of Global Educational Research Education (GERA). He has presented papers in National and International conferences.

He started the session by showing a short documentary on Action Research namely “Kishan and The Magic Chariot” wherein it was reflected that how a teacher adopted new ways of teaching style based on the different learning style of a student in a classroom. He continued with the presentation and explained placement of Action Research, definitions and how it is conducted. He added by explaining steps of Action Research. He, further, stated that it is a cyclic process which started with planning, acting, observing and reflecting and we should choose an academic problem which is related to our area and which can be solved at our level. He also explained What Action Research is not and gave us an understanding on the benefits of conducting it. After that it was also told that there are certain demerits of Action Research like biasness, findings cannot be generalized, lack of expertise, etc.

Tangible features of Action Research were explained as situational, collaborative, participatory and self-evaluative.

He continued by stating that there are certain myths about it that it is solving problems of others, equated with experimental research, needs special qualification, it is only playing with data, very expensive, wastage of time, it is about increasing work load, etc. He enlightened all the participants by giving appropriate examples for every situation also. He added by giving suggestive areas of Action Research in the field of education. A small comparison was made in between Action Research and the Fundamental Research in a

tabular form which made it easier for students to understand the concept. He ended the session on a positive note that it should be responsibility of teachers and teacher educators to understand the problems of students and work on them by taking necessary and immediate actions. Some of the participants cleared their doubts in a question- answer round and asked the questions based on Action Research.

Dr. Y. Vijaya Lakshmi invited the expert Dr. Prerna H. Shelat, Associate Professor, IITE, Gandhinagar to explain various issues and challenges of Action Research. She started by stating that why we should conduct Action Research. She explained that other researches have not been relevant to practice as they have not been able to address teacher's problem. As well as teachers do not find other researches persuasive. Therefore, there is a need to conduct Action Research. She explained that Action Research is about incorporating into teacher's daily routine a reflective stance. It can be conducted by teachers, Principal, counsellor or any other stakeholder for themselves. It is provocative and constructive way of thinking about one's own practice. She added that 'Knowledge is always gained through action for action'.

She explained that there are various issues and challenges of Action Research. It is more difficult to conduct as compared to other researches. Teachers do not reflect on their teaching. They do not ask question to themselves that why a student scored less or what went wrong.

Issues like Dual Role of a teacher as a practitioner and other as a researcher at the same time, work load and time constraints, lack of knowledge and appropriate skills related to Action Research, etc. She ended the session by asking few questions from the participants and gave a message to reflect upon our teaching learning process and to inculcate the habit of questioning ourselves from time to time. Few participants cleared their doubts and queries in the question- answer round.

Dr. Y. Vijaya Lakshmi gave a positive end to the plenary session and thanked all the experts for enlightening all the participants on Action Research.



Session V

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

Chairperson: Dr. J.N. Amin Rapporteurs: Parvin Akthar & Nilofar	
Presenters	Titles of the Paper
Pramod Kumar Kar	EFFECT OF COLLABORATIVE LEARNING ON THE ACHIEVEMENT OF LOW ACHIEVER LEARNERS (LAL) IN SCIENCE AT ELEMENTARY LEVEL
Dr. Rohit Bagthariya	TEACHING QUESTIONING SKILL VIA MODERN DEVICE: THE CATALYTIC IMPACT OF ALEXA
Smt. Baijayanti Sahoo	EFFECTIVE CLASSROOM LEARNING BY DETECTING BARRIERS AND UTILISING REMEDIES
P. Elavarasu	ENHANCING THE LEARNING OF 'OUR GOVERNMENT' CONCEPT THROUGH PARTICIPATORY APPROACH AMONG V STD STUDENTS AT P.U.P.S, THIRUNAGAR, MANNACHANALLUR BLOCK
Dr. Jigna L. Kholiya	A STUDY ON THE EFFECTIVENESS OF SIMULATION METHOD FOR ORGANISATION OF COMMERCE AND MANAGEMENT TEACHING IN CLASS 11 TH
Prafulla Kumar Gochhayat	EFFECTIVENESS OF STRATEGIC ACTIVITY BASED CLASSES TO OVERCOME THE STUDENTS FEAR AT BLACKBOARD WORK AND SILENCE DURING DISCUSSION IN A CLASSROOM TRANSACTION
Amit Rai	IMPROVING THE WRITING SKILL OF STUDENTS FROM CLASS 6 TO 8 OF ITLA PRIMARY SCHOOL

There were 7 presenters who presented their study as follows bellow:-

- 1. Sri Pramod Kumar Kar**, Asst. Teacher, S.M. Govt. High School, Swargadwar, Puri, Odisha.

The Researcher presented a PPT on “Effect of collaborative learning on the achievement of low achiever learners (LAL) in science at elementary level. The Researcher was interested to conduct an action research on collaborative learning.

- 2. Dr. Rohit Bagthariya**, Assistant Professor, H.M. Patel of English training and research, Vallabh Vidyanagar, Anand.

The researcher presented his study on “Teaching Questioning Skill via Modern Device: The Catalytic Impact of Alexa.” Recent research has shown that Alexa is a beneficial technology in recent times.

- 3. Smt. Baijayanti Sahoo**, M.Sc (Chemistry), B.Ed, Asst. Teacher, Tarikund High School, Tarikund Jagatsinghpur Odisha.

The researcher presented his study on “Effective Classroom Learning by detecting Barriers and utilising Remedies.” According to researcher for a teacher his sensory parts are to be in such an opening posture that it can have links with all the students of this class. The teacher can understand the barriers, its remedies and utilization of proper interventions.

- 4. P. Elavarasu**, Senior Lecturer, DIET, kumalur, Tiruchirappalli, Tamil Nadu & M.Kamaleswari, Assistant teacher P.U.P.S Thirunagar, Tiruchirappalli Tamil Nadu.

The researcher presented his study on “Enhancing the learning of ‘our government’ concept through participatory approach among V class student at mannachanallur block”. According to the researcher the child would be introduced to the formation and functioning of governments at the local state and central level and the democratic process of participation.

- 5. Dr. Jigna L. Kholiya**, Asst. Professor, Department of Education, K.S.K.V. Kachchh University, Bhuj.

The researcher presented his study on “A Study on the Effectiveness of Simulation Method for Organisation of Commerce and Management teaching in Class 11th.” Researcher explain that s the essential feature of any educational simulation requires the students to play certain roles, work on problems, make decision and implement them in a realistic way.

- 6. Shri Amit Rai**, Assistant Teacher, Iitla Primary School and Research Scholar at IITE, Gandhinagar.

The researcher presented his study on “Improving the skills of students from class 6 to 8 of Iitla primary school. In the researcher paper the researcher explain about writing skill and also described that writing is the result of reading, comprehending and contemplating information, and it combines one’s own intelligence and capacity for retaining information in order for them to communicate at the most effective level possible. At the end of the research paper he also mansion the glimpses stories: Kosish, Ghadi ki katha, Pen ki katha.

- 7. Prafulla Kumar Gochhayat** Teacher Educator DIET Mayurbhanj ,Baripada ,Odisha

The researcher presented his study on “Effectiveness of activity based classes to overcome the students fear at black board work and silence during discussion in classroom.” In this study researcher detect the cause of silence of some class VI students during class room discussion and the impact of adopted strategies in developing involvement in blackboard work and classroom-discussion.

Photo Gallery of the session



Parallel Session V

Venue: M.Ed. classroom

Chairperson: Dr. Prerana Shelat Rapporteurs: Sweta & Vandana	
Presenters	Titles of the Paper
Deepak kumar	IMPACT OF CLASSROOM PARTICIPATION ON STUDENT'S ACHIEVEMENT IN SOCIAL SCIENCE
Dr. Dipak R Pandya	DIFFICULTIES IN FLUENTLY SPEAKING HINDI LANGUAGE OF HINDI METHODOLOGY STUDENTS FROM NON - HINDI SPEAKING STATES
Dr.Kowshik.M.C	A COMPARATIVE STUDY OF CONTENT OF CBSE AND KARNATAKA STATE GOVERNMENT PRESCRIBED SECONDARY SCHOOL CHEMISTRY TEXTBOOK
Nirmala Gupta	ACTION RESEARCH ON ENHANCING THE SPOKEN SKILLS OF ENGLISH THROUGH DRAMATIZATION OF THE KENDRIYA VIDYALAYA STUDENTS
Pranabandhu Hota	TEACHING MATHEMATICS THROUGH IMPROVISED AIDS IS EFFECTIVE
Dr. Rajesh Rathod	IMPROVING BASIC MATHEMATICAL MISTAKES IN FACTORIZATION USING REMEDIAL TEACHING AMONG 8TH CLASS STUDENTS
Dr. Rucha Desai	DIAGNOSIS AND REMEDIATION OF THE LEARNING DIFFICULTIES OF STANDARD – 9 STUDENTS IN MATHEMATICS
Dr. Sangeetan Ashutosh Shrivastava	ACTIVITIES FOR IMPROVING PUBLIC SPEAKING AND CREATIVE WRITING IN GRADE 11 AND 12
Vaishali Gupta	LACK OF PROFESSIONALS IN GUIDANCE AND COUNSELLING SERVICES IN INTERNATIONAL SCHOOLS

In Second day, the Parallel Session V in M.Ed. classroom was started by Deepak Kumar, Assistant Teacher of Gyan Bharti Senior Secondary School Dayalbag, Nehalpur, Patna, Bihar, Points which he covered during the Afternoon session of the Second day were-

- i) Linkage between students performance and their classroom participation
- ii) Child Centered Teaching Learning Environment
- iii) Enhance the students Critical thinking
- iv) Reward system

v) Record sheet

The speaker started the session with the introduction of *Impact of Classroom Participation on Students Achievement in Social Science*. The purpose of this study is to find out Linkage between students' performance and their classroom participation.

His intention was to critically analyze the variables that affect student involvement, and use these discoveries to motivate students to actively participate in social science classes and make a part of classroom dialogue.

He also discussed about the Child Centered Teaching Learning Environment which giving the opportunity to students to ask their own question without hesitation, talk to him or their friends by using home language even in formal discussion. His focus was to increase student's involvement by creating learners centered environment that will enhance student's critical thinking and make social science classes more interesting.

He made the Hypothesis that an increase in students participation will lead to student's classroom performance and academic achievement. Before testing his hypothesis, he distributed a survey to 30 students that asked them to indicate what factors inhibited their participation, their opinion of themselves a social science students, and what would encourage them to be actively involved in their learning environment. The survey was both quantitative and qualitative, and included in there multiple choice questions, and open-ended/free-response question.

In order to monitor and assess student's rates of participation, He designed a record sheet to note down the frequency of students involvement, and tally the number of oral response given by students.

His research design included a reward system. He gave them a card for every 5 tallies for classroom participation. Through this incentive, students had an opportunity to spend one lunch period playing board games and socializing with their peers in a fun and informal setting. According to him aspect of reward system is to recognize the students who participate most often.

The next Speaker Dr. Dipak R Pandaya, Assistant Professor of S. D. Shethia College of Education Mundra-Kachchh; started the session with the introduction of *Difficulties in Fluently Speaking Hindi Language of Hindi Methodology Students from Non-Hindi Speaking States*. The purpose of this study is to improvement in Hindi Speaking skills.

According to him in B.Ed. the trainees who are taking training to become teachers of Hindi subject with Hindi methodology, if they themselves cannot speak very well in Hindi language then how will they be able to teach their students.

Therefore to overcome this problem he decided to do an Action Research work on this problem. This work has been done with the objectives like, to know the reasons for not being able to speak Hindi very well, to know the mistakes being made in speaking Hindi, to tell the ways of effective speaking in Hindi etc.

For the improvement in Hindi Speaking skills several suggestion are given by Dr. Dipak R. Pandaya like:

- i) Communication with method master with Hindi only
- ii) Conversing in Hindi with friends as well
- iii) Coming to the stage and express themselves in Hindi whenever they get opportunities.

After a week of implementing his research study, he observed a noticeable improvement in overall class participation.

The Second presenter was Dr. Kowishk M.C, Assistant Professor B.E.A College of Education, Davanagere, Karnataka; Points which he covered during the Afternoon session of the Second day were :

- i) Importance of Chemistry
- ii) Text book
- iii) Curriculum

The speaker started the session with the introduction of A Comparative Study of Content of CBSE and Karnataka State Government Prescribed Secondary School Chemistry Textbook. The purpose of this study is Signify the aspects of modern science is the impact which has a solving a diversity of problems of practical and technological importance as well as those related to the pressing problems of human mankind.

According to him Chemistry is considered as an influential subject in school curriculum as many professional and applied courses, directly or indirectly use tire knowledge of chemistry. Moreover, the present age is the era of science and more number of people is being employed in scientific pursuits which required knowledge of chemistry in their daily activities.

He explained about the selection of board makes a serious difference in the early development of child and her/his liability to the kind of education system that we have. His study is a peripheral investigation that focuses on examination of two boards i.e. Karnataka state Education Board and CBSE on The Basis of their functionalities, offering abilities and other standards.

The major reveals of his study are as follows:

- i) What is worth for the child?
- ii) How one does chose the right system?

In this study he adopted the method of Action Research to class room teachers who teach chemistry subject which triggers the process of reflection followed by critical analysis of content which leads to change and subsequent reflection to observe that change and so on. At the end he conclude that the activities and exercises in the CBSE prescribed chemistry text book is better than the activities and exercises in the state government prescribed chemistry text book for secondary school.

The next presenter was Nirmala Gupta, Kendriya Vidyalaya No.3 Delhi CANTT; Points which she covered during the Afternoon session of the Second day were:

- iv) Action Research
- v) Roles in Drama
- vi) Speaking Competence
- vii) Reflective discussion

The speaker started the session with the introduction of Action Research on Enhancing the Spoken Skills of English through Dramatization of the Kendriya Vidyalaya Students. The purpose of this study is to examine the paraphernalia of drama on the enhancement of language, thinking and learning in English amongst the students of 5th and 6th grade.

Her study shows how integrated skills can be assimilated and manifested during drama classes, since drama is advocated as a superlative way of binding together the skills of grammar, reading, writing, speaking, listening and pronunciation in a sequence where the motivation is not on from but rather on fluency and meaning.

According to her an action research has different characteristics such as situational, contextual, collaborative, self-reflective, evaluative set. This study includes qualitative and quantitative measures. In a qualitative manner, the student is trained to recognize his problems, and the teacher helps to analyses the problem and further conducts an action plan of his own. The quantitative result of the study is that the students speaking competence can be improved through applications in the drama roles. The application or method of learning may improve student's confidence in learning English language.

The study will discuss three significant points specifically:

- iii) What are the general impacts of drama activity on the students?
- iv) What area of language grasping is improved through a drama method?

- v) Whether the student's perception of the effects of drama in the English language is reliable with the real results of learning?

To answer the above question she designed and number of steps is taken to determine the students group who participates in the research. The pre-test is conducted to learn their original competence level in the English language. The pre-test is conducted through interviews with these two groups. The final test is conducted at the end of the semester when the drama is accomplished through assessments by other teacher.

According to her applying pre-test of creative thinking for both control and experimental groups was implemented. The control group has been taught using the traditional way of teaching whereas the experimental group has been taught using drama. The post-test of creative thinking was applied by the end of teaching the assigned unit. Data was statistically analyzed. Results have been discussed. Based on result recommendations and suggestion have been occurred.

At the end she conclude that

- i) Children used expressive language in drama, particularly during reflective deliberations after drama; however he did not specifically examine children's language during other classroom activities, but only during drama session.
- ii) Children's use of expressive language assisted them to expand abstract forms of thinking.
- iii) Reflective discussion around the drama activities also upraised issues concerning moral Values.

Therefore implementing drama activities could encourage children's development of a range of language expression and abstract thinking.

Photo Gallery of the Session



Session VI
Venue: Seminar Hall

Chairperson: Dr. Shamim Aara Hussain	
Rapporteurs: Jaya Mrinalini & Nibedita Bhowmik	
Presenters	Titles of the Paper
Dr.Sweta Sharadkumar Chauhan	EFFECTIVENESS OF LEARNING TASK PACKAGES IN BIOLOGY ON SCIENTIFIC APTITUDE OF STUDENTS AT CLASS-XI
Garudeswar Das	GARIMA AWARDS AND ITS IMPACT ON ACHIEVING LEARNING OUTCOMES(LO) BY LEARNERS AT ELEMENTARY LEVEL-- A CASE STUDY OF LEARNING ENHANCEMENT PROGRAM (LEP)AT GOVERNMENT SCHOOLS OF SUBDEGA BLOCK OF SUNDARGARH DISTRICT ,ODISHA
Swati Modani	ACTION RESEARCH IN MATHEMATICS TEACHING USING MATHART:- MULTIPLE INTELLIGENCE TEACHING METHODOLOGY
Dr. Shilpa S. Popat	EFFECT OF VEDIC MATHEMATICS ON MATHEMATICAL CALCULATION SPEED
Vinay D. Takale	STUDYING CONCEPTUAL UNDERSTANDING IN SCIENCE SUBJECT OF STD X
Babita Thukral	EVALUATING EFFECTIVENESS OF GAME BASED TOOLSIN SCIENCE TEACHING AND LEARNING
Deepa Savalani	STUDY THE EFFECT OF CONSTRUCTIVIST APPORACH IN TEACHING SCIENCE SUBJECT

In the last technical session of the second day, there were a total of seven participants who presented the paper. The paper presented was focused on biology teaching, mathematics teaching, science learning, Vedic mathematics on calculation speed, etc. In the first paper, the investigator tried to study the effectiveness of learning task packages in biology on scientific aptitude of students in class XI. The result was found effective on the group of students who learned biology through learning task packages compare to students who learned through traditional approach. The second presentation was a case study on Learning Enhancement Program (LEP) at Government Schools of Sundargarh district, Odisha. The paper was focused assessing the impact of Garima Award in achieving learning outcomes at elementary schools at one of the blocks of Odisha. The impact showed that in 91 schools of Subdega block more than 80% of students secured more than 60% of marks in subjects such as language and mathematics in each class. In the third presentation, the investigator designed few activities to involve all learners of the class keeping in mind their multiple intelligence styles. The researcher found improvement in the performance of students in terms of their interest and class interaction.

The fourth presentation was on studying the effectiveness of Vedic Mathematics on the calculation speed of students. The investigator conducted the study in four phases and the findings showed that the calculation speed of students increased significantly through the Vedic Mathematics method. The fifth presentation was focused on studying the conceptual understanding in Science of different chemical reactions of class 10th students. The findings suggested that after introducing the 5E instructional model, students could grasp the concepts of corrosion well. In the sixth presentation, the presenter presented her findings on evaluating the effectiveness of Game-based tools in Science teaching and learning. The investigator found that game-based instruction has positive impact on the learning efficiency of students as students were quite interested and motivated in attending game-based classrooms than traditional classrooms. The seventh presentation was on studying the effectiveness of constructivist approach related to multiple intelligence on the achievement of standard 9th students. The investigator planned lesson based on 5E's of constructivist approach, using experiments, videos, worksheets, and quiz and found significant impact on the achievement of standard 9th students.

Some of the questions and suggestions that were raised during the presentation were related to the principle and methodology of the action research. One of them was, "if we conduct activity on the entire class will that be considered under action research or should it be done by identifying some of the students in the classroom who faced problems in understanding any particular concept? Some of the questions were also asked related to the activity conducted to solve the identified problem.

The session ended by the chairperson by congratulating the presenters and summarizing the session by highlighting the key points from each presentation.

Photo Gallery of the Session



Valedictory Session: 04:15 p.m. to 05:00 p.m.

Venue: Seminar Hall, Sector-29 campus, Central University of Gujarat

Topics	Experts
Welcome Address	Prof. H. B. Patel Project Director, PMMMNMTT
Valedictory address	Prof. J.P.N. Mishra Professor and Dean, School of Life Science, Central University of Gujarat
Certificate distribution & Feedback	Prof. J.P.N. Mishra Oral Feedback by Selected Participants
Vote of thanks	Dr.Y.Vijaya Lakshmi Conference Convener
Rapporteurs: Bablu Karan & Jitendranath Gorai	

On 22 Oct. 2019, at 4.30 PM, the Valedictory session was started. At first, Prof. H.B. Patel, head of School of Education, Central University of Gujarat and project director, PMMMNMTT, was welcome by giving him a token of love. The programme was being preceded by Prof. J.P.N. Mishra, Dean, School of Life Science, Central University of Gujarat. He was welcomed by Dr. Shilpa S. Popat, assistant prof, School of Education, Central University of Gujarat. Followed by her, Dr. G.R. Angadi, associate prof. School of Education, Central University of Gujarat and Dr. J.N. Amin, associate prof. School of Education, Central University of Gujarat, was being welcomed by token of appreciation.

Thereafter, Prof. H.B. Patel was invited to deliver welcome address of the valedictory session. He had addressed from faculties of School of Education Central University of Gujarat to all participants, presenters, scholars and non-teachings of the school. Then, he heartily welcomed Prof. J.P.N. Mishra to chair the valedictory session of the conference. He gave a brief introduction about the guest of the session, prof. J.P.N. Mishra. He also welcomed congratulated Dr. Y. Vijaya Lakshmi, assistant prof, School of Education and convener of the conference for organizing the programme. He also briefly introduced about the previous two days workshop on qualitative research organised by Dr. Shilpa S. Popat and five days workshop on MOOCs thorough SWAYAM organised by Dr. G.R. Angadi. He also stated that School of Education, Central University of Gujarat currently possesses two centers: a. Policy Research in Education; b. PMMMNMST. He mentioned about the quality education and maintenance of quality of this workshop. He exposed to all luck presenters that out of 300 registered candidates only 72 were being selected to present their papers on action research. He also stated that the School of Education, Central University of Gujarat always tried to maintain the quality of the any programme. At last he once again congratulated Dr. Y.Vijaya Lakshmi, convener of the conference and was thankful to all.

Afterwards, the guest, prof. J.P.N. Mishra was being invited to deliver valedictory address. He had all participants, presenters form outsiders, the faculties members, researcher scholars of School of Education, Central University of Gujarat. He briefly spoke about PMMMNMST and its importance in the field of teachers' education. The speaker delivered few definition of education on his own understanding: "it is a never ending process." He also expressed about the specialty of teachers and their role in the field of education which is never replaced by anything else. He pointed out that if the teachers are ignored, it would be not fair for the county, nation and society. To spoke about the action research, he mentioned the real problem of semester system in school education, 90 days teaching and also the issue of academic calendar followed in any school. He said that there is a practical problem of teachers' wish, dedication and aspiration in teaching. He addressed to be handsome and smart teachers in the teaching and learning process. Teachers need to come in the field of teaching with their interest and dedication and need to be upto date of their knowledge. Then, he felt proud himself to have PMMMNMST in School of Education, Central University of Gujarat. At last he congratulated all for successful conduct of the programme.

The valedictory session was proceeded by inviting the guests to deliver certificates among the presenters. After that, three presenters were asked to share their experiences on two days conferences. To conclude, Dr. Y. Vijaya Lakshmi, convener of the conference was

called for vote of thanks of the session. She cordially gave her warm thanks and appreciation from guests, experts, guest of honor, faculty members, participants, presenters, researchers, and scholars to all non-teaching staff for their collaboration, patience and contribution of knowledge to success the conference.

Photo Gallery of the Session



During Conference Feedback

padlet

shivya lakshmi • 7 • 1m

During conference interaction

Made with big dreams

The yesterday's sessions were very much impressed. I hope the Convenor will continue such conferences in future.

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Really the platform was good for exchange of idea.

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All plenary sessions by experts to outset the following presentations, Just time limitations should've strictly adhered to... Overall, Effective and educative experience.

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If you have any comments, feedback and questions for the presenters please post it here.
Positive appreciation is also accepted.

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The Conference has given the teachers a platform to showcase their researches. The field of action research is new for many of us. This conference gave the much needed exposure to all of us. The session by Prof. R. Biju was exceptionally awesome. Looking forward to more of such experiences. Many thanks to Dr. Vijaya madan who worked tirelessly to provide us all the necessary facilities. Also thanks to all of SoE CLUG family for this great opportunity.

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Yr research is superb presentation was good. Keep it up friend all the very best.

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Session by Prof. Sanj Yadav was very informative supported by statistical data and many challenges were highlighted. Initiated reflection on these challenges. Also information on current initiatives at National level was discussed. Really very very good. Time for questioning & interaction with madam should have been given as participants do not get a chance to meet such stalwarts.

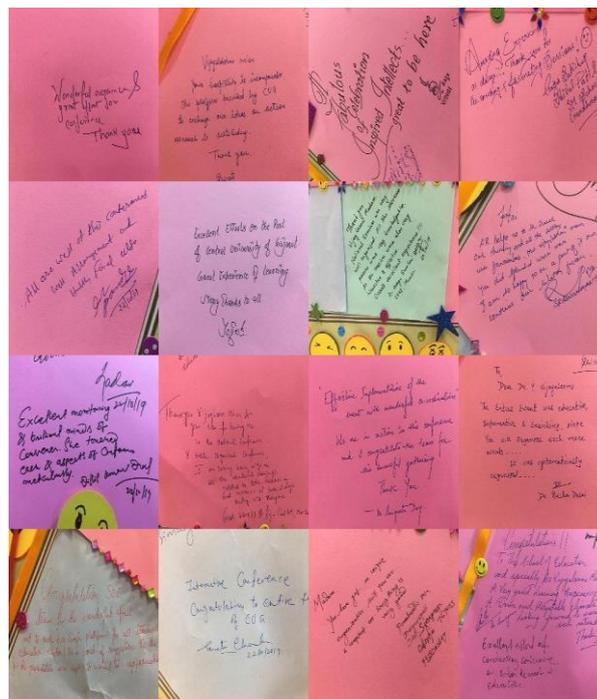
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Activities for Improving Public Speaking and Creative Writing in Grade 11 and 12 by Sangeetha Akuthan, Shivastava

The presenter has introduced learner centred, learning centred, activity oriented strategy in an innovative and viable way to develop the two productive skills. I think integrative skill development is attempted. It can be adapted and adopted. One of the activities students assemble in a room and the write letters to one another. It is a pre activity of preparing a skit or drama. I think if the process is slightly modified it would have created more impact. Proper oral development of it first is what I meant. Or based on the write up a lot of oral reflections and refinement before it is changed as a drama gives due weightage to oral communication skills. Anyway the presenter has shown us many avenues and possibilities to develop the target language in the ELT classroom. " If we teach today as we teach yesterday, we cap our children of tomorrow". Here more freedom is given to the learner accommodating their divergent minds to flutter and fly.

Vijayan C R

Post-Conference Feedback



Abstract Volume

ABSTRACTS

National Conference On Action Research in School Education

CENTER FOR PROFESSIONAL DEVELOPMENT
OF TEACHER EDUCATORS

Pandit Madan Mohan Malaviya National Mission on
Teachers and Teaching (PMMMNTT)

21st - 22nd October, 2019

Prof. H. B. Patel
Project Director

Dr. G. R. Angadi
Project Coordinator

Dr. Y. Vijaya Lakshmi
Convenor, National Conference



School of Education
Central University of Gujarat
Sector 29, Gandhinagar Gujarat, India - 382030