



**Chopda Education Society's**  
**College of Education Chopda, Dist. Jalgaon**

Arunoday Colony, Old Shirpur Road, CHOPDA Dist. Jalgaon

(NAAC Accredited Grade-C)

Phone No.- 02586-220024 KBCNMU College Code- 140024NCTE Code-113021

Fax No.- 02586-223480E-mail- [cbed12@rediffmail.com](mailto:cbed12@rediffmail.com) Website- [www.bed.ceschopda.org](http://www.bed.ceschopda.org)

Recognised by N.C.T.E. New Delhi and Affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

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Outward No.-

Date:

## **Matrix 3.4.1**

- **List of teachers/students benefited by linkage – exchange and research**
- **Report of each linkage along with photographs**



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**College of Education Chopda, Dist. Jalgaon**

Arunoday Colony, Old Shirpur Road, CHOPDA Dist. Jalgaon

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## **Matrix 3.4.1**

- *List of teachers/students benefited by linkage – exchange and research*

**Chopda Education Society's  
College of Education Chopda, Dist. Jalgaon  
Arunoday Colony, Old Shirpur Road, CHOPDA Dist. Jalgaon  
STUDENT AND TEACHER EXCHANGE**

Sr No.	Year	Program	Name of Students	Gender	Teacher name
1	2018-19	B.Ed	BORSE RUPALI RAJENDRA	Female	Dr.Rajani Sonawane
2	2018-19	B.Ed	MAHAJAN ANJALI GOPAL	Female	
3	2018-19	B.Ed	PATIL PRIYANKA SAKHARAM	Female	
4	2018-19	B.Ed	PAWAR JAYASHRI DHARMRAJ	Female	
5	2018-19	B.Ed	SAPRE ASHVINI BALKRISHNA	Female	
6	2018-19	B.Ed	SHINDE SNEHAL RAGHUNATH	Female	
7	2018-19	B.Ed	AGNIHOTRI SWATI GIRISH	Female	
8	2018-19	B.Ed	AZEEMUDDIN SIRAJUDDIN	Male	
9	2018-19	B.Ed	PATIL MAMATA RAVINDRA	Female	
10	2018-19	B.Ed	PAWAR SAPANA MADHUKAR	Female	
11	2018-19	B.Ed	SALUNKHE NISHA DILIPRAO	Female	
12	2018-19	B.Ed	SHAIKH YUNUS SHAIKH RAUF	Male	

Sr No.	Year	Program	Name of Students	Gender	Mentor Name
1	2018-19	B.Ed	BARELA JYOTI RULSING	Female	Dr.S.B.Jadhav
2	2018-19	B.Ed	BARELA KIRAN RAMESH	Male	
3	2018-19	B.Ed	BARELA RAMESH CHIMA	Male	
4	2018-19	B.Ed	BARI AMRUTA PUNDLIK	Female	
5	2018-19	B.Ed	DESALE JAISHRI NAGARAJ	Female	
6	2018-19	B.Ed	PATIL SEEMABAI DIGAMBER	Female	
7	2018-19	B.Ed	PAWAR SUNITA JULAL	Female	
8	2018-19	B.Ed	BANDICHHOD BHAVANA DATTATRAY	Female	
9	2018-19	B.Ed	BARELA RELSING RAMA	Male	
10	2018-19	B.Ed	BHADALE RAVINA YUVARAJ	Female	
11	2018-19	B.Ed	CHAVHAN ANIL DAMU	Male	
12	2018-19	B.Ed	CHAVHAN JEETENDRA DAMU	Male	
13	2018-19	B.Ed	JAIN SWETA RAJENDRA	Female	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2018-19	B.Ed	PATIL JAGDISH DNYANESHWAR	Male	Dr.R.V.Sonawane
2	2018-19	B.Ed	PATIL PRIYANKA NILACHAND	Female	
3	2018-19	B.Ed	PATIL PRIYANKA RAJENDRA	Female	
4	2018-19	B.Ed	PATIL RAMKRUSHNA PURUSHOTTAM	Male	
5	2018-19	B.Ed	PATIL TRIPTI SHALIGRAM	Female	
6	2018-19	B.Ed	PATIL YOGITA ANIL	Female	
7	2018-19	B.Ed	WAGH GOPAL DILIP	Male	
8	2018-19	B.Ed	BAVISKAR NISHA PARBAT	Female	
9	2018-19	B.Ed	PATIL KAMLESH DIGAMBAR	Male	
10	2018-19	B.Ed	PATIL VAISHALI RAVINDRA	Female	
11	2018-19	B.Ed	PATIL VARSHA BALAWANT	Female	
12	2018-19	B.Ed	PAWAR PRIYA SURESH	Female	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2018-19	B.Ed	BARELA PINKIBAI REVA	Female	Prof. N.D.Valhe
2	2018-19	B.Ed	BHOI JITENDRA HIMMATRAO	Male	
3	2018-19	B.Ed	ICCHE MANOJ DEVIDAS	Male	
4	2018-19	B.Ed	KARANDIKAR SWAPNALI ADHAR	Female	
5	2018-19	B.Ed	PAWARA ASHA HAMA	Female	
6	2018-19	B.Ed	PAWARA ELIZA KARAMSING	Female	
7	2018-19	B.Ed	PAWARA MUNNIBAI NADAN	Female	
8	2018-19	B.Ed	TAMBAT JAYASHRI PRAKASH	Female	
9	2018-19	B.Ed	BARELA RAMESH CHIMA	Male	
10	2018-19	B.Ed	DUSANE DEEPALI ARUN	Female	
11	2018-19	B.Ed	PAGAR NANDU BANSILAL	Male	
12	2018-19	B.Ed	PAWARA TARASI NANAJI	Female	
13	2018-19	B.Ed	PAWARA PRAVIN BILADYA	Male	



  
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**STUDENT AND TEACHER EXCHANGE**

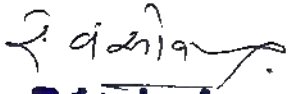
Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2019-20	B.Ed	BARI PRERANA TOLARAM	Female	Prof. M.P.Patil
2	2019-20	B.Ed	CHAUDHARI MANISHA DASHARATH	Female	
3	2019-20	B.Ed	PATIL PUNAM SANTOSH	Female	
4	2019-20	B.Ed	PATIL RAJSHRI SUNIL	Female	
5	2019-20	B.Ed	ROKAIYA JABIM SHAH ALAM	Female	
6	2019-20	B.Ed	SAVKARE NAMRATA DILIP	Female	
7	2019-20	B.Ed	SHAIKH NAVAJADDIN SHARIFADDINSHAIKH	Male	
8	2019-20	B.Ed	SHAIKH SALIM GULAMGAUS	Male	
9	2019-20	B.Ed	FULPAGARE PUNAM SHANTARAM	Female	
10	2019-20	B.Ed	MAHAJAN DINESH MADHUKAR	Male	
11	2019-20	B.Ed	PATIL ASHWINI SANJAY	Female	
12	2019-20	B.Ed	PATIL PREMAL AVINASH	Female	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2019-20	B.Ed	DHIWARE BHAGYASHRI HIRAMAN	Female	Dr.S.B.Jadhav
2	2019-20	B.Ed	JADHAV KALPITA SURESH	Female	
3	2019-20	B.Ed	MALI DIPALI BHIKAN	Female	
4	2019-20	B.Ed	PATIL DEEPIKA NARAYAN	Female	
5	2019-20	B.Ed	PATIL PRATIBHA BALU	Female	
6	2019-20	B.Ed	PAWARA GURI CHHAGAN	Female	
7	2019-20	B.Ed	BADGUJAR DIPIKA HIRALAL	Female	
8	2019-20	B.Ed	MAHAJAN SUJATA DNYANESHVAR	Female	
9	2019-20	B.Ed	PATIL DIPALI NIMBA	Female	
10	2019-20	B.Ed	PATIL MAYURI RAJENDRA	Female	
11	2019-20	B.Ed	PATIL SAKSHI AJAY	Female	
12	2019-20	B.Ed	PATIL SHASHANK NANDALAL	Male	
13	2019-20	B.Ed	PAWARA MEENA SAYSING	Female	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2019-20	B.Ed	BANJARA DIPAK JORSING	Male	Dr.R.V.Sonawane
2	2019-20	B.Ed	BARHATE CHETANA MILIND	Female	
3	2019-20	B.Ed	BAVISKAR NILESH NARAYAN	Male	
4	2019-20	B.Ed	CHAUDHARI YOGITA SOMNATH	Female	
5	2019-20	B.Ed	PATIL HEMANT KHUSHAL	Male	
6	2019-20	B.Ed	WANI PALLAVI RAVINDRA	Female	
7	2019-20	B.Ed	CHAUDHARI SHEETAL RAJENDRA	Female	
8	2019-20	B.Ed	MALI PRASHANT DIGAMBAR	Male	
9	2019-20	B.Ed	PATIL DIPESH SAMBHAJI	Male	
10	2019-20	B.Ed	PATIL PUSHPA MANIK	Female	
11	2019-20	B.Ed	PATIL VASUNDHARA SHASHIKANT	Female	
12	2019-20	B.Ed	PAWAR ASHWINI VIJAYSING	Female	
13	2019-20	B.Ed	YADNIK KAVITA VISHWANATH	Female	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2019-20	B.Ed	BARELA RAVINDRA REVA	Male	Prof. N.D.Valhe
2	2019-20	B.Ed	BHADALE HEMLATA DIPAK	Female	
3	2019-20	B.Ed	DHANGAR RAKESH RAMKRISHNA	Male	
4	2019-20	B.Ed	PATIL BHAVANA DILIP	Female	
5	2019-20	B.Ed	PATIL BHUSHAN ARUN	Male	
6	2019-20	B.Ed	RAJPUT ANITA RAMSINH	Female	
7	2019-20	B.Ed	BAVISKAR SUVARNA RAJENDRA	Female	
8	2019-20	B.Ed	KOLI SAPNA BALIRAM	Female	
9	2019-20	B.Ed	MORE SONIKA MACHCHHARAM	Female	
10	2019-20	B.Ed	NHAYADE JAYASHRI RAJENDRA	Female	
11	2019-20	B.Ed	PAWARA VANDANA DAULAT	Female	
12	2019-20	B.Ed	Rajput / BADGUJAR ASHVINI KIRAN	Female	



  
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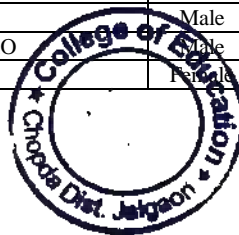
**Chopda Education Society's  
College of Education Chopda, Dist. Jalgaon  
Arunoday Colony, Old Shirpur Road, CHOPDA Dist. Jalgaon  
STUDENT AND TEACHER EXCHANGE**

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2021-22	B.Ed	BAGADE AMRAPALI ANIL	Female	Prof. M.P.Patil
2	2021-22	B.Ed	MALI DEVENDRA RAMCHANDRA	Male	
3	2021-22	B.Ed	PATIL ASHWINI ARUN	Female	
4	2021-22	B.Ed	PATIL PRANAY JAYVANTRAO	Male	
5	2021-22	B.Ed	SAPKALE SUVARNA PRAKASHCHANDRA	Female	
6	2021-22	B.Ed	SHAIKH SAMIYA BI ABDUL GHAFAR	Female	
7	2021-22	B.Ed	BIDKAR SAKSHI HARENDRA	Female	
8	2021-22	B.Ed	DIKSHIT AISHWARYA VIJAY	Female	
9	2021-22	B.Ed	MAHAJAN GANESH SAHEBRAO	Male	
10	2021-22	B.Ed	PATIL JAGRUTI MAHENDRASING	Female	
11	2021-22	B.Ed	PATIL JAYASHRI DNYANESHWAR	Female	
12	2021-22	B.Ed	PATIL POONAM LAXMAN	Female	
13	2021-22	B.Ed	PAWAR DHANSHRI SURESH	Female	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2021-22	B.Ed	JOSHI SWAPNA SUDHAKAR	Female	Dr.S.B.Jadhav
2	2021-22	B.Ed	KARANKAL DIKSHA ASHOK	Female	
3	2021-22	B.Ed	MALI NANDINI DEVIDAS	Female	
4	2021-22	B.Ed	MANYAR MUSKAN SHAIKH NISAR	Female	
5	2021-22	B.Ed	PATIL JAYASHREE BHAUSAHEB	Female	
6	2021-22	B.Ed	PATIL NITA LOTAN	Female	
7	2021-22	B.Ed	CHAUDHARI MANISHA BHARAT	Female	
8	2021-22	B.Ed	CHAUDHARI PRATIK DNYANESHWAR	Male	
9	2021-22	B.Ed	PATIL RAKESH MADHUKAR	Male	
10	2021-22	B.Ed	PATIL YASH VIKAS	Male	
11	2021-22	B.Ed	PAWAR RADHA ABHIMAN	Female	
12	2021-22	B.Ed	SONAWANE PAWAN BALKRISHNA	Male	
13	2021-22	B.Ed	SONAWANE ROHAN KISHOR	Male	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2021-22	B.Ed	BADGUJAR VISHAKHA SURESH	Female	Dr.R.V.Sonawane
2	2021-22	B.Ed	MAHAJAN LINA RAVINDRA	Female	
3	2021-22	B.Ed	PATIL KANCHAN PRAVIN	Female	
4	2021-22	B.Ed	SONAWANE SNEHAL NANDKISHOR	Female	
5	2021-22	B.Ed	SONAWANE SUCHITA VIJAY	Female	
6	2021-22	B.Ed	BAVISKAR CHETAN PANDHARINATH	Male	
7	2021-22	B.Ed	BAVISKAR TUSHAR HARI	Male	
8	2021-22	B.Ed	BHAWASAR RAVIKUMAR BRIJALAL	Male	
9	2021-22	B.Ed	SALUNKHE KETAN PRALHAD	Male	
10	2021-22	B.Ed	SHARMA PRIYA ASHOK	Female	
11	2021-22	B.Ed	WAGH DIVYA SHAMKANT	Female	
12	2021-22	B.Ed	KOSHTI PRASHANT DILIP	Male	
13	2021-22	B.Ed	PATIL JAYESH ANIL	Male	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2021-22	B.Ed	BAVISKAR PUJA ISHWAR	Female	Prof. N.D.Valhe
2	2021-22	B.Ed	CHAUDHARI KIRTIBALA NARENDRA	Female	
3	2021-22	B.Ed	DHANGAR UMESH BALU	Male	
4	2021-22	B.Ed	KOLI RUPALI BHARAT	Female	
5	2021-22	B.Ed	PATIL JAYASHREE PITAMBAR	Female	
6	2021-22	B.Ed	PATIL SUNY RAJENDRA	Male	
7	2021-22	B.Ed	PATIL VARSHA VASUDEV	Female	
8	2021-22	B.Ed	PAWARA RAHUL DASHRATH	Male	
9	2021-22	B.Ed	PUNNASE PUJA ASHOK	Female	
10	2021-22	B.Ed	RAJPUT PUNAM RAHUL	Female	
11	2021-22	B.Ed	SAPKALE AMOL GOPICHAND	Male	
12	2021-22	B.Ed	SONAWANE NITISH PRATAPRAO	Male	
13	2021-22	B.Ed	SONAWANE VIDYA SUBHASH	Female	



*[Signature]*  
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**Student and teacher exchange**

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2022-23	B.Ed	KHAN AKHLAQ KHAN MAQSUD	Male	Prof. M.P.Patil
2	2022-23	B.Ed	KOLI SUJATA PANDIT	Female	
3	2022-23	B.Ed	PALI WAL RUPALI VINOD	Female	
4	2022-23	B.Ed	PAWARA RUMSING SHANTARAM	Male	
5	2022-23	B.Ed	SATHE HARSHADA DHANANJAY	Female	
6	2022-23	B.Ed	BARELA NILESH SUMALA	Male	
7	2022-23	B.Ed	PATIL BHAVANA VASUDEV	Female	
8	2022-23	B.Ed	PATIL CHETANA RAVINDRA	Female	
9	2022-23	B.Ed	PATIL PRATIBHA DAGADU	Female	
10	2022-23	B.Ed	PATIL SADHANA KANTILAL	Female	
11	2022-23	B.Ed	CHAUDHARI KETAN HIRALAL	Male	
12	2022-23	B.Ed	PATIL MADHURI RAJENDRA	Female	
13	2022-23	B.Ed	RAJPUT BHATABAI RANVIRSING	Female	
14	2022-23	B.Ed	WANKHEDE PRAJAKTA RAVINDRA	Female	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2022-23	B.Ed	BAVISKAR ISHWAR NARAYAN	Male	Dr.S.B.Jadhav
2	2022-23	B.Ed	BHOSALE SHIVAM PRAVIN	Male	
3	2022-23	B.Ed	GUMMADWAR PREM NARSING	Male	
4	2022-23	B.Ed	JADHAV SAGAR ISHWAR	Male	
5	2022-23	B.Ed	SHIRSATH PRADNYA RAVINDRA	Female	
6	2022-23	B.Ed	DESHMUKH MAYUR PRAKASH	Male	
7	2022-23	B.Ed	INGALE REVATI PRAMOD	Female	
8	2022-23	B.Ed	PATIL DIPALI SURESH	Female	
9	2022-23	B.Ed	SAMANPURE BARKHA SHITALKUMAR	Female	
10	2022-23	B.Ed	YASMIN BI ABDUL RAHEMAN	Female	
11	2022-23	B.Ed	DESHMUKH HARSHA PRAKASH	Female	
12	2022-23	B.Ed	PATIL LEENA YOGRAJ	Female	
13	2022-23	B.Ed	PATIL PRIYANKA GAJANAN	Female	
14	2022-23	B.Ed	SAINDANE ASHWINI SHRIPAT	Female	

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2022-23	B.Ed	BADGUJAR MINAKSHI MADHAV	Female	Dr.R.V.Sonawane
2	2022-23	B.Ed	DHANGAR DHANSHRI ANIL	Female	
3	2022-23	B.Ed	MAGARE POOJA NAVAL	Female	
4	2022-23	B.Ed	MAHAJAN GANESH PRATAP	Male	
5	2022-23	B.Ed	MAHAJAN JAYASHRI SAHEBRAO	Female	
6	2022-23	B.Ed	PATIL DHIRAJ BHAGWAN	Male	
7	2022-23	B.Ed	PATIL NEHA CHHOTU	Female	



8	2022-23	B.Ed	PATIL TRUPTI SUDHAKAR	Female
9	2022-23	B.Ed	PAWAR LALIT RAMESH	Male
10	2022-23	B.Ed	PAWAR PAWANKUMAR DIVIDAS	Male
11	2022-23	B.Ed	SAPKALE VISHAL GOPICHAND	Male
12	2022-23	B.Ed	SHAIKH ABULAIS SHAIKH AYAZUDDIN	Male
13	2022-23	B.Ed	SHARMA NEHA YOGENDRA	Female

Sr No.	Year	Program	Name of Students	Gender	Teacher Name
1	2022-23	B.Ed	BAHIRAM RUPALI MURLIDHAR	Female	Prof. N.D.Valhe
2	2022-23	B.Ed	BARELA KARAM MOHANSING	Male	
3	2022-23	B.Ed	BARELA PRATIBHA CHAMPALAL	Female	
4	2022-23	B.Ed	BARELA RALITA GENDARAM	Female	
5	2022-23	B.Ed	PAWARA SACHIN MAJAN	Male	
6	2022-23	B.Ed	LOHAR GOPAL DHANRAJ	Male	
7	2022-23	B.Ed	PATIL DNYANESHWAR RAMKRUSHNA	Male	
8	2022-23	B.Ed	PATIL GITANJALEE SUNIL	Female	
9	2022-23	B.Ed	PATIL NITIN NAVAL	Male	
10	2022-23	B.Ed	SONAWANE GAYATRI DNYANESHWAR	Female	
11	2022-23	B.Ed	LINDAYAT PUJA TUKARAM	Female	
12	2022-23	B.Ed	MAHAJAN JAYSHRI MADHUKAR	Female	
13	2022-23	B.Ed	MAHAJAN PRIYANKA SHRIRAM	Female	



*[Handwritten Signature]*  
**Principal**  
**College of Education**  
**Chopda Dist. Jalgaon**



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Outward No.-

Date:

## ***Matrix 3.4.1***

- ***Report of each linkage along with photographs***

### 3.4.1 Average number of linkages for Faculty exchange, Student exchange, research etc. during the last five years

Year	Linkages for Faculty Exchange, Student Exchange, Research	Name of the Partnering Institution
<b>Faculty Exchange</b>		
2022-2023	Stimulation of Analytical Thinking through Mathematics among School Students	Pratap Vidya Mandir Chopda
	Active Learning Programme	PVM English Medium School Chopda
2021-2022	Vidyanjali – A School Volunteer Programme	Pratap Vidya Mandir Chopda
	Vidyanjali – A School Volunteer Programme	Madhyamik Kanya Vidyalaya Choda
	Vidyanjali – A School Volunteer Programme	College of Social work Chopda
2020-2021	-	-
2019-2020	PARAMARSH - UGC Scheme for Mentoring NAAC Accreditation Aspirant Institutions to Promote Quality assurance in Higher Education	College of Education Amalner
		College of Social work Chopda
		Arts Science and Commerce college Chopda
		Pankaj College Chopda
		Balmohan College Chopda
2018-2019	-	-



  
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### 3.4.1 Average number of linkages for Faculty exchange, Student exchange, research etc. during the last five years

Year	Linkages for Faculty Exchange, Student Exchange, Research	Name of the Partnering Institution
<b>Student Exchange</b>		
2022-2023	Field-based Internship in Teacher Education Institution	College of Education Amalner
2021-2022	Field-based Internship in Teacher Education Institution	College of Education Amalner
<b>Research</b>		
2022-2023	Active Learning Scale-up Programme	Pratap Vidya Mandir Chopda
2021-2022	Active Learning Scale-up Programme	PVM English Medium School Chopda



  
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**Stimulation of Analytical Thinking through Mathematics among School Students**

**Introduction:**

Analytical thinking is a crucial skill that enables individuals to approach complex problems and challenges by breaking them down into smaller parts, analyzing them, and then putting them back together to form a solution. It is an essential skill for students to develop, as it helps them think critically and creatively, and it is useful in various academic and professional pursuits. In recognition of the importance of analytical thinking skills, Chopda Education Society's College of Education initiated classes to develop these skills among school students.

**Objectives:**

- To promote analytical thinking skills among students from the sixth standard to the ninth standard.
- To enhance the pedagogical abilities of B.Ed. Student teachers and faculty members in delivering Mathematics education that stimulates analytical thinking.
- To create a competency-based educational approach that seamlessly incorporates analytical thinking strategies into the teaching of Mathematics.
- To establish a nurturing and participative learning setting that encourages teamwork, creativity and the development of problem-solving abilities
- To appraise students' achievements and offer them feedback by employing evaluation and feedback methods.

**Methodology:**

**a) Curriculum Integration:**

A team of Mathematics educators, and experts and analytical thinking collaborates to integrate analytical thinking skills in existing curriculum that aligns with the national educational standards and promotes higher order thinking skills. The curriculum incorporates interactive teaching methods, problem-solving activities, and real-world applications of Mathematics.

**b) Teacher Training:**

Student teachers and faculty members received specialized training in instructional strategies that foster analytical thinking in Mathematics. The training



  
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included periodical workshops and orientations to equip teachers with the necessary skills to implement the programme effectively.

**c) Implementation:**

The programme implemented in campus schools, covering students from the first standard to the ninth standard. Teachers deliver the curriculum using a student-centered approach, encouraging active participation, critical thinking and analytical reasoning. The lessons designed to engage students in challenging problem-solving tasks and promote higher-order thinking skills.

**d) Assessment and Feedback:**

Ongoing assessment tools, such as formative and summative assessments, utilized to monitor students' progress and provide feedback.

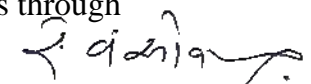
The primary goal of Analytical Thinking classes is to develop analytical thinking skill among school students through teaching Mathematical concepts. Mathematical abilities are essential because they provide structure for rationally solving problems. It helps in the conceptualization of several areas that include verbal components such as numerical knowledge, counting and reasoning as well as non-verbal components such as Mathematical notation, reasoning in time and space, calculation, and so on.

Mathematical exercises such as puzzles, riddles, and open-ended inquiries, finding patterns, brainstorming ideas, analyzing data, and making situational decisions among students were planned and executed. Application of analytical thinking components paves the way for enhancing the IQ levels. It supports the growth of pupils' critical and creative thinking. It teaches children how to think differently in a diverse range of situations. Utilization of advanced technology in analytical classes stimulates the interest, curiosity and helps pupils to familiarize Mathematical concepts easily.

**Phase I : Trainer Training Programme:**

Regular Trainer's Training Programme on Stimulating Analytical Thinking through Mathematics is conducted for student teachers and question proper setters. The Programme coordinated by Shri. Magaldas Patil, Assistant Professor in Mathematics and organized by the Internal Quality Assurance Cell, Chopda Education Society's College of Education. The programme has been designed to introduce teaching strategies and syllabus related to stimulating analytical thinking through Mathematics. It will cover various topics including the introduction to Model (LMS), hands-on training in Google Sheet, Google quiz and question bank preparation using various resources. The aim of the programme is to equip Student - teachers and Research scholars with the necessary skills and knowledge to promote analytical thinking and problem-solving abilities among school students through Mathematics.



  
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## **Phase - II : Implementation of Programme :**

Chopda Education Society's College of Education initiated organizing the Classes on "Stimulation of Analytical Thinking through Mathematics among School Students" for sixth grade students to ninth grade students of Pratap Vidya Mandir School (Town & In front of Court). Student-Teachers from Chopda Education Society's College of Education and Ph.D Scholars from Detachment of Mathematics, College of Arts, Science and Commerce Chopda has been handling the Analytical Thinking Classes weekly once for a period of 45 minutes duration. Analytical Thinking Tests were conducted through online mode twice in a month to assess pupils' progress. The programme coordinated by Shri. Mangaldas Patil, Assistant Professor in Mathematics.

### **Beneficiaries:**

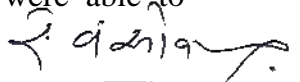
Following is the number of students benefited from stimulation of Analytical Thinking through Mathematics.

<b>Class</b>	<b>Boys</b>	<b>Girls</b>	<b>Total</b>
Class VI	35	30	65
Class VII	30	28	58
Class VIII	32	33	65
Class IX	40	35	75
<b>Total</b>	137	126	263

### **Impact:**

The analytical thinking classes organized by Chopda Education Society's College of Education helped students develop analytical thinking skills. The online analytical thinking tests conducted twice a month helped assess the progress of students. The students have shown improvement in their analytical thinking skills, which is evident from the progress shown in the analytical thinking tests conducted online. Moreover, the classes also helped students in enhancing their IQ levels, which will be helpful in their future academic and professional pursuits. Analytical thinking skills help students to think critically and creatively, which is essential in various areas of their life. By developing analytical thinking skills, students will be able to tackle challenges with more ease, which will help them achieve their goals. The use of advanced technology in analytical classes has made the classes more interesting and engaging for students. The students were introduced to new tools, such as educational apps, that allowed them to learn practice analytical thinking skills in a funny and interactive way. By incorporating technology, the classes were able to



  
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stimulate the interest and curiosity of students, which helped them familiarize themselves with Mathematical concepts more easily.

### **Roles and Responsibilities:**

Prof.M.P.Patil, as the coordinator of the programme, played a crucial role in planting, organizing, and overseeing its execution. The B.Ed. student teachers (Mathematics and Physical Science) from Chopda Education Society's College of Education actively participated in the programme by conducting analytical thinking classes for the students. Mathematics student teachers were responsible for preparing the analytical thinking question papers and conducting online tests. Their efforts were closely guided and supervised by Shri. Mangaldas Patil, Assistant Professor in Mathematics.

### **Outcomes of the Programme:**

- Improved analytical thinking skills among school students and student teachers leading to enhanced problem-solving abilities and critical thinking.
- Increased engagement and motivation among students due to the interactive and challenging nature of the curriculum.
- Strengthened Mathematical foundations, as students learn to apply analytical thinking strategies to solve complex problems.
- Enhanced pedagogical skills of student teachers, resulting in more effective delivery of Mathematics education that stimulates analytical thinking.

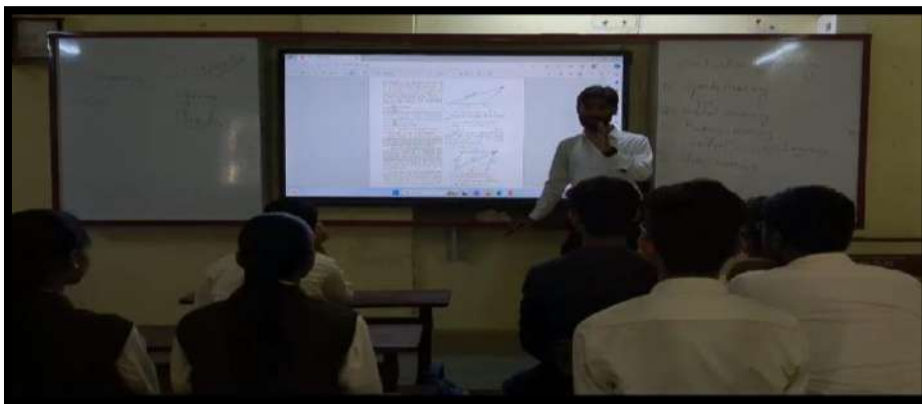
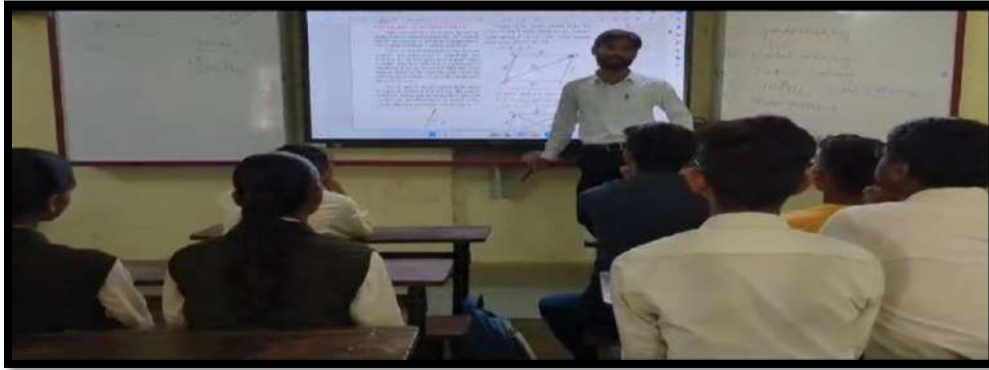
**Prof.M.P.Patil teaching**



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Students Teaching and guiding in Class



*R. D. Dhanraj*  
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## **ACTIVE LEARNING PROGRAMME**

### **Objectives:**

After completion of the classes, the students are able to:

- Demonstrate a deep understanding of fundamental scientific and mathematical concepts, applying them to real-world problems and scenarios.
- Engage in critical thinking and problem-solving, approaching challenges with analytical and logical reasoning.
- Work collaboratively, contributing to group discussions, team projects, and peer teaching with confidence and cooperation.

### **Programme Details:**

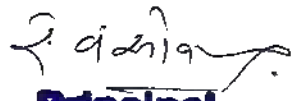
Chopda Education Society's College of Education has initiated Active Learning Programme for the students studying in Pratap Vidya Mandir Chopda Higher Secondary School (Girls Wing) on 13.07.2022. The students studying in classes 6<sup>th</sup> to 8<sup>th</sup> are engaged in Active learning classes by applying active learning strategies in the teaching learning process of Mathematics and Science subjects and extended to 9<sup>th</sup> students as well.

The students were engaged in Active learning classes once in a week for the time period of 90 minutes in each subject. So far students were engaged in 49 active learning classes in Mathematics and 48 classes in science from the date of initiation.

Science subject is handled by Shri Mangaldas Patil, Assistant Professor in Science and Mathematics is also handling by Shri Mangaldas Patil, Assistant Professor in Mathematics. Faculty members use simulations, augmented reality, mixed reality problem-based activities and experiential learning in teaching subject specific concepts that stimulates the interests of the students and made them active participation in the classes that enrich the higher order thinking skills and students in the Active Learning Classes. In Active Learning methodology, students learn the concepts and core of the subjects practically by doing activities with lab articles, models and simulation.

The Active Learning methodology is a modern classroom concept, which emphasis the 21st century skills among the students by adopting the following strategies, lab articles, models and ICT Tools.



  
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The strategies used in Active Learning class

- Peer teaching activities
- Team Teaching
- Simulation Based Learning
- Think-Pair-Share
- Game-based learning
- In-class demonstrations
- Jigsaw methods
- Augmented Reality (AR)
- One minute paper
- Group discussion
- Flipped Classroom
- Mixed Reality (MR)

### Active learning class



*R. Singh*  
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## Active learning Class



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**College of Education Chopda, Dist. Jalgaon**  
Arunoday Colony, Old Shirpur Road, CHOPDA Dist. Jalgaon

**Vidyanjali - Promoting Community and Voluntary Participation for Enhancing Quality of School Education**

Chopda Education Society's College of Education has registered itself in VIDYANJALI portal for promoting community and voluntary participation for enhancing quality of School Education. Vidyanjali is an initiative taken by the Ministry of Education, Government of India with the aim to strengthen Schools through community and private sector involvement in schools across the country. This initiative would connect schools with varied volunteers from the Indian Diaspora namely, young professionals, school alumni, in service and retired teachers / Government officials / professionals and many others. Vidyanjali has two verticals: "Participate in school Service/ Activity" and "Assets/ Material/ Equipment" in which volunteer can support and strengthen the government and government aided schools, Vertical and broad categories where volunteer can support are as follows:

**SERVICE/ACTIVITY CATEGORY**

**GENERIC LEVEL**

- ❖ Subject Assistance
- ❖ Teaching Art & Craft
- ❖ Teaching Yoga / Sports
- ❖ Teaching Languages
- ❖ Teaching Vocational Skills
- ❖ Assistance for Children with Special Needs
- ❖ Adult Education
- ❖ Preparing Story Books / Graphic Novels
- ❖ Mentoring Students for Career Counselling
- ❖ Mentoring of gifted / talented children
- ❖ Support for preparation for Entrance Examinations and Competitions



  
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## **SPONSORSHIP**

- ❖ Sponsoring Trained Counsellors and Special Educators
- ❖ Sponsoring counsellor - Counselling for Physiological Support, Mental Health and Wellbeing
- ❖ Special Classes by Experts
- ❖ Sponsoring Medical Camps by Doctors
- ❖ Sponsoring for Participation in Sports and Cultural Events
- ❖ Sponsoring for Health and Cleanliness Resources
- ❖ Sponsoring Additional Manpower for Housekeeping for One Academic Session
- ❖ Sponsoring Special Remedial Classes for Students by qualified teachers
- ❖ Sponsoring Self Defense Training for Girls

## **CONTRIBUTE IN ASSETS/MATERIAL/EQUIPMENT**

### **ASSETS/MATERIAL/EQUIPMENT CATEGORY**

Volunteers can contribute to school for strengthening the school infrastructure.

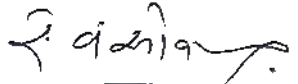
- ❖ Basic Civil Infrastructure
- ❖ Basic Electrical Infrastructure
- ❖ Classroom Needs
- ❖ Digital Infrastructure
- ❖ Equipment for Co-Curricular Activities & Sports
- ❖ Health and Safety aids
- ❖ Teaching Learning Material
- ❖ Maintenance & Repairs
- ❖ Office Needs
- ❖ Tool Kits and Miscellaneous Equipment
- ❖ Items for Residential Schools

Upon request from two nearby schools, the College has conducted "Training on ICT Applications for Teachers" for upper primary teachers of TAT Aided Middle School and Pratap Vidya Mandir Chopda on 19th May 2022.

### **Outcomes**

- ❖ Teachers acquired proficiency in using ICT tools and resources, enabling them to create engaging and effective digital learning materials.
- ❖ Integration of ICT in teaching practices results in more interactive and student-centered lessons, enhancing student engagement and learning outcomes.



  
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**Orientation on "Vidyanjali" 19.05.2022**

Chopda Education Society's College of Education has registered itself in VIDYANJALI portal for promoting community and voluntary participation for enhancing quality of School Education. Upon request from College of Education Amalner, the College has conducted an Orientation programme on the Vidyanjali Programme for the faculty members in college of education Chopda on 19.05.2022.

Prof.M.P.Patil, Assistant Professor in Education acted as a resource person and explained about Vidyanjali Programme to Faculty Members of College of Education Amalner.

**Description about Vidyanjali Programme**

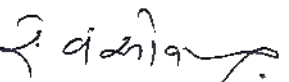
Vidyanjali is an initiative taken by the Ministry of Education, Government of India with the aim to strengthen Schools through community and private sector involvement in schools across the country. This initiative would connect schools with varied volunteers from the Indian Diaspora namely, young professionals, school alumni, in service and retired teachers / Government officials/professionals and many others. Vidyanjali has two verticals: "Participate in school Service/Activity" and "Assets/Material/Equipment" in which volunteer can support and strengthen the government and government aided schools. Vertical and broad categories where volunteer can support are as follows:

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**GENERIC LEVEL**

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- ❖ Teaching Vocational Skills
- ❖ Assistance for Children with Special
- ❖ Needs Adult Education
- ❖ Preparing Story Books / Graphic Novels
- ❖ Mentoring Students for Career Counselling
- ❖ Mentoring of gifted / talented children
- ❖ Support for preparation for Entrance Examinations and Competitions



  
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## **SPONSORSHIP**

- ❖ Sponsoring Trained Counsellors and Special Educators
- ❖ Sponsoring counsellor - Counselling for Physiological Support, Mental Health and Wellbeing
- ❖ Special Classes by Experts
- ❖ Sponsoring Medical Camps by Doctors
- ❖ Sponsoring for Participation in Sports and Cultural Events
- ❖ Sponsoring for Health and Cleanliness Resources
- ❖ Sponsoring Additional Manpower for Housekeeping for One Academic Session Sponsoring
- ❖ Special Remedial Classes for Students by qualified teachers
- ❖ Sponsoring Self Defense Training for Girls

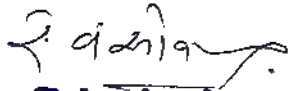
## **CONTRIBUTE IN ASSETS/MATERIAL/EQUIPMENT**

### **ASSETS/MATERIAL/EQUIPMENT CATEGORY**

Volunteers can contribute to school for strengthening the school infrastructure.

- ❖ Basic Civil Infrastructure
- ❖ Basic Electrical Infrastructure
- ❖ Classroom Needs
- ❖ Digital Infrastructure
- ❖ Equipment for Co-Curricular Activities & Sports
- ❖ Health and Safety aids
- ❖ Teaching Learning Material
- ❖ Maintenance & Repairs
- ❖ Office Needs
- ❖ Tool Kits and Miscellaneous Equipment
- ❖ Items for Residential Schools



  
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**Orientation Programme on "Vidyanjali"**

**13.05.2022**

College of Education Chopda has registered itself in VIDYANJALI portal for promoting community and voluntary participation for enhancing quality of School Education. Vidyanjali is an initiative taken by the Ministry of Education, Government of India with the aim to strengthen Schools through community and private sector involvement in schools across the country. This initiative would connect schools with varied volunteers from the Indian Diaspora namely, young professionals, school alumni, in service and retired teachers/Government officials/professionals and many others.

Vidyanjali has two verticals: "Participate in school Service/Activity" and "Assets/Material/Equipment" in which volunteer can support and strengthen the government and government aided schools. Upon request from College of Arts and Science, Chopda, the College has conducted an Orientation programme on the Vidyanjali Programme for the faculty members in College of Arts and Science on 13.05.2022.

**Resource Person:**

Dr.R.V.Sonawane

Assistant Professor in Education

Chopda Education Society's College of Education,Chopda

**Number of Participants Benefited: 48**



  
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## **PARAMARSH**

### **UGC Scheme for Mentoring NAAC Accreditation Aspirant Institutions to Promote Quality assurance in Higher Education**

#### **Objective:**

To mentor National Accreditation and Assessment Council (NAAC) accreditation aspirant institutions for promoting quality assurance in higher education.

#### **Implementation:**

The scheme will be operationalized through a "Hub & Spoke" model wherein the Mentor Institution, called the "Hub" is centralized and will have the responsibility of guiding the Mentee institution through the secondary branches the "Spoke" i.e. through the services provided to the mentee for self-improvement.

This will allow a centralized control over operational efficiency, resource utilization to attain overall development of the mentee institution.

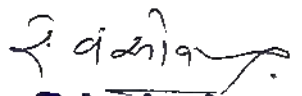
#### **Target:**

The scheme will target 1000 Higher Education Institutions (HEIs) for mentoring with a specific focus on quality as enumerated in the UGC "Quality Mandate".

#### **Expected Benefits:**

- ❖ It will lead to enhancement of overall quality of the mentee institutions and enhance its profile because of improved quality of research, teaching and learning methodologies.
- ❖ It will help the mentee institution in getting NAAC accreditation.
- ❖ It will also facilitate the sharing of knowledge, information and opportunities for research collaboration and faculty development in Mentee Institutions.
- ❖ It will help in providing quality education to the 3.6 crore students who are enrolling to Indian Higher Education system at present.



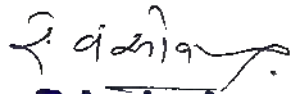
  
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Mentor Institution Details	Participating Institution Details
Dr.R.V.Sonawane College of Education Chopda	College of Education, Shirpur Road ,Chopda
PARMARSH Standing Committee	College of Social Science Chopda
	Arts, Commerce and Science college Chopda
	Pankaj College Chopda

### Outcomes

The mentee institution gained a systematic awareness and orientation about the revised Assessment and Accreditation processes. Two of the institution are getting with their NAAC submission process.

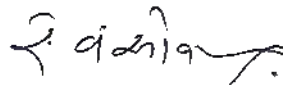


  
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### 3.4.1 Average number of linkages for Faculty exchange, Studentexchange, research etc. during the last five years

Year	Linkages for Faculty Exchange, Student Exchange, Research	Name of the Partnering Institution
<b>Student Exchange</b>		
2022-2023	Field-based Internship in Teacher Education Institution	Government College of Education for Women, Coimbatore
2021-2022	Field-based Internship in Teacher Education Institution	Government College of Education for Women, Coimbatore
<b>Research</b>		
2022-2023	Active Learning Scale-up Programme	Ek Kadam Aur Foundation, (International NGO, USA & India) & Avenues World School, Brazil
2021-2022	Active Learning Scale-up Programme	Ek Kadam Aur Foundation, (International NGO, USA & India) & Avenues World School, Brazil



  
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**Students Exchange Programme - 2023**

**College of Education Amalner Schedule (05th April 2023 to 20th April 2023)**

**Objectives**

- ❖ To enhance the professional development of teacher education students by exposing them to different pedagogical methods, educational systems, and best practices.
- ❖ To promote interdisciplinary learning and research collaboration among students from both institutions to enrich their academic experiences and advance teacher education.

**Participants**

B.Ed Students of College of Education Amalner

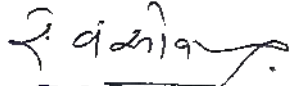
Total No. of Students - 07.

**Description**

A Memorandum of Understanding was signed between Chopda Education Society's College of Education , Chopda and College of Education amalner to promote professional development of Teacher Education Programmes. As a part of the MoU, student exchange programme is conducted each year where, B.Ed Students from the latter visit the former college for academic exchange. The duration of the exchange programme will be for ten working days. The detailed schedule of the student exchange programme is given as follows.

Sr.No.	Date & Day	10.00am-11.30am	11.45am-1.00pm	2.00pm-3.30pm	3.45pm-5.00pm
1	5/4/2023	Introduction	Teaching process	Use of ICT	Curriculum designing
2	7/4/2023	Introduction	Teaching process	Use of ICT	Curriculum designing
3	9/4/2023	Introduction	Teaching process	Use of ICT	Curriculum designing
4	11/4/2023	Introduction	Teaching process	Use of ICT	Curriculum designing



  
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5	13/4/2023	Introduction	Teaching process	Use of ICT	Curriculum designing
6	15/4/2023	Introduction	Teaching process	Use of ICT	Curriculum designing
7	17/4/2023	Introduction	Teaching process	Use of ICT	Curriculum designing

### Activities during Field visit

- ❖ Report on NEP – 2020
- ❖ Constructing a Likert type survey Questionnaire (Minimum of 25 items)
- ❖ Review report on any one research article
- ❖ Presentation (topics related to educational studies)
- ❖ Any two educational video content preparation

### Outcomes

- ❖ As a result of participating in the exchange program, students developed a deeper understanding of diverse teaching methodologies and strategies.
- ❖ This knowledge exchange enhances the academic reputation of both institutions and establishes them as leaders in the field of teacher education with a global perspective.
- ❖ The student exchange programme benefits include improved teaching skills and the creation of valuable academic knowledge through collaboration and cultural exposure.



  
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**Students Exchange Programme - 2022**

**College of Education Amalner Schedule (07th April 2022 to 22nd April 2022)**

**Objectives**

- ❖ Students exchange will participate in teaching observations, practice sessions, and co-teaching experiences at the partner institution.
- ❖ Collaborate on research projects and share innovative teaching practices, resources, and materials, with the goal of improving the quality of teacher education.
- ❖ Encourage students to reflect on their experiences and incorporate international best practices into their future teaching careers.

**Participants**

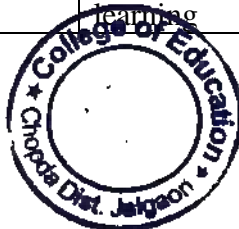
B.Ed Students of Government College of Education for Women, Coimbatore.

Total No. of Students - 09.

**Description**

A Memorandum of Understanding was signed between Sri Ramakrishna Mission Vidyalaya College of Education (Autonomous), Coimbatore and Government College of Education for Women, Coimbatore to promote professional development of Teacher Education Programmes. As a part of the MoU, student exchange programme is conducted each year where, B.Ed Students from the latter visit the former college for academic exchange. The duration of the exchange programme will be for ten working days. The detailed schedule of the student exchange programme is given as follows.

Sr.No.	Date & Day	10.00am-11.30am	11.45am-1.00pm	2.00pm-3.30pm	3.45pm-5.00pm
1	7/4/2022	Introduction	Active learning	Research	Methods of teaching
2	9/4/2022	Introduction	Active learning	Research	Methods of teaching
3	10/4/2022	Introduction	Active learning	Research	Methods of teaching
4	12/4/2022	Introduction	Active learning	Research	Methods of teaching
5	15/4/2022	Introduction	Active learning	Research	Methods of teaching



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6	18/4/2022	Introduction	Active learning	Research	Methods of teaching
7	20/4/2022	Introduction	Active learning	Research	Methods of teaching

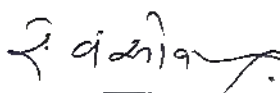
**Activities during Field visit**

- ❖ Report on NEP-2020
- ❖ Constructing a Likert type Survey Questionnaire (Minimum of 25 items)
- ❖ Review report on any one research article
- ❖ Presentation (Topic related to educational studies)

**Outcomes**

- ❖ Students who participate in the exchange program gain a broader global perspective by immersing themselves in a different cultural and educational context.
- ❖ The successful implementation of the exchange program fosters stronger institutional partnerships between the two teacher education institutions.
- ❖ These outcomes reflect the long-term impact of the student exchange program, not only on the students themselves but also on the institutions involved and their broader educational communities.



  
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