

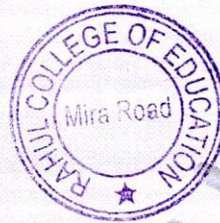


RAHUL COLLEGE OF EDUCATION

(N.C.T.E. Reg. No. WRC/5-6/89/2006 Dtd. 27/09/2006 CODE NO. APW03437/123403) AFFILIATED TO UNIVERSITY OF MUMBAI
AFF/RECOG.1/1249 OF 2007 Dtd. 28 Feb. 2007 | Recognized Under Section 2(f) of the UGC Act 1956 | COLLEGE CODE : 767

ORGANISES VALUE ADDED COURSE ON STEM

6th May, 2024
To
10th May, 2024



Contact for Registration
9867586572

Resource Person

DR. UMESH BHADHADE

Principal
Dr. Frances Vaidya

Coordinator
Sarita Vishwakarma



RAHUL COLLEGE OF EDUCATION

(N.C.T.E. Reg. No. WRC/5-6/89/2006 Dtd. 27/08/2006 CODE NO. APW03437/123403) AFFILIATED TO UNIVERSITY OF MUMBAI AFF/RECOG.1/1249 OF 2007 Dtd.28 Feb.2007

Course Name: Value Added Course-STEM

Resource Person: Dr. Umesh Bhadhade

Date : 6th May, 2024

Number of Credits: 2

Course Objective:

To provide a solid grasp of STEM principles, covering Science, Technology, Engineering, and Mathematics.

To encourage analysis of complex problems from diverse angles, honing logical reasoning and pattern recognition.

To foster creativity to tackle real-world challenges through hands-on tasks and problem-based learning.

To cultivate an environment conducive to creativity, urging students to explore unconventional solutions and generate fresh ideas.

To equip students with versatile skills applicable to various STEM fields, ensuring adaptability in diverse contexts.

To prepare students for success in higher education and the workforce, providing a strong foundation in STEM.

Course Outcome:

By the end of this course, students will be able to:

1. Apply fundamental principles of STEM disciplines to analyze and solve real-world problems.
2. Utilize technology tools and resources effectively for data analysis, modeling, and simulation.
3. Collaborate productively in interdisciplinary teams to address complex challenges.
4. Communicate scientific and technical concepts clearly and concisely, orally and in writing.
5. Demonstrate creativity and innovation in designing and implementing STEM-based solutions.
6. Develop an entrepreneurial mindset and identify opportunities for innovation and commercialization in STEM fields.

SYLLABUS:

UNIT NO.	UNIT DETAIL
1	Introduction to STEM - Overview of Science, Technology, Engineering, and Mathematics - Importance of interdisciplinary approaches in problem-solving
2	Scientific Inquiry and Research Skills - Experimental design and methodology - Data collection, analysis, and interpretation
3	Technology Tools and Applications - Introduction to software tools for data analysis, programming, and simulation - Applications of technology in various STEM fields
4	Engineering Design Process - Problem identification and formulation - Conceptualization, prototyping, and testing
5	Mathematics in STEM - Mathematical modeling and problem-solving techniques - Applications of mathematics in engineering, physics, and other STEM disciplines
6	Innovation and Entrepreneurship in STEM - Understanding the innovation process - Identifying opportunities for innovation and commercialization - Basics of intellectual property rights and patenting

Assignments:

1. STEM Project:

- Form teams and select a real-world problem.
- Apply scientific inquiry, engineering design, and mathematical modeling to develop a solution.
- Present the project findings through a report and an oral presentation.

2. Technology Workshop:

- Participate in hands-on workshops focusing on specific technology tools and software relevant to STEM fields.
- Complete practical exercises and assignments to demonstrate proficiency in using these tools.

3. Case Study Analysis :

- Analyze case studies of successful STEM innovations or entrepreneurial ventures.
- Evaluate key factors contributing to success and identify lessons learned.

**PRINCIPAL**



RAHUL COLLEGE OF EDUCATION

(N.C.T.E. Regg. No. WRC/5-6/89/2006 Dtd. 27/09/2006 CODE NO.APWG3437/123403) AFFILIATED TO UNIVERSITY OF MUMBAI AFF/RECOG.1/1249 OF 2007 Dtd.28 Feb.2007

Value Added Courses: 14

Course Title: STEM

Resource Person: Dr. Umesh Bhadhade

Date: 6/5/24 to 10/5/24

Sr.No	Name Of The Candidates	STEM	
		Enrolled	Completed
1	AZMI ALISHA ASLAM	E	C
2	BHADORIA POOJA HEMCHAND	E	C
3	BURKHAO RITA LILTER	E	NC
4	CASCAR JESLYN JAMES SABRENA	E	C
5	CHAVIWALA HUDA NASIR WALIMOHAMMED	E	C
6	DESAI YUKTA VIREN	E	C
7	FEREIRA DREMA JOSEPH	E	C
8	IQBAL SUFIA	E	C
9	JAIN AASHIKA PRASHANT	E	NC
10	DHAMECHA JANAVI VIJAYBHAI	E	NC
11	KELKAR ABHISHEK DILIP	E	NC
12	KHAN ALMAS ATAULLAH	E	NC
13	KHAN ARSHIYA MAQBOOL	E	NC
14	KHAN ISHRAT SHAHEEN ABDUL SATTAR	E	C
15	KHAN SAHER AZIM	E	C
16	GANATRA KINJAL AVI	E	C
17	KINNY MAXIZINA ABDEN	E	C
18	KUSHWAHA NEETU SADANAND	E	NC
19	LAHERI ZAHRA KUTUB	E	NC
20	MANDAL PRASHANT SUDHIR	E	NC
21	MAROLIWALA FORAM DEEPAK	E	NC
22	MISHRA AKANKSHA ROHIT	E	C
23	MODI MUSKAAN RAFIQUE	E	C
24	MULLA MAHEK FAZLUDDIN	E	C
25	PARIHAR NEELAM JAYESH	E	C
26	PATIL JUEILI MOHAN	E	NC
27	PATIL SAMIKSHA AJINKYA	E	C



RAHUL COLLEGE OF EDUCATION

(N.C.T.E. Reg. No. WRC/5-6/89/2006 Dtd. 27/09/2006 CODE NO. APW03437/123403) AFFILIATED TO UNIVERSITY OF MUMBAI AFF/RECOG.1/1249 OF 2007 Dtd. 28 Feb. 2007

28	POOJA RAJESH PANDEY	E	C
29	PUROHIT SIDDHI SOHANLAL	E	C
30	SARANYAMOL. V. S	E	NC
31	SHAH ANA VIPUL	E	NC
32	SHAH PRACHI RAMESH KUMAR	E	NC
33	SHAH RUSHALI HIREN	E	NC
34	SHAHI SUSHMITA SHAILENDRA	E	C
35	SHAIKH SADAF MOHAMMED ARIF	E	C
36	SHAIKH SAFINA IMTIYAZ	E	NC
37	SHARMA TOSHIKA AMARDEEP	E	C
38	SHUKLA RUCHI LAXMI SHANKAR	E	C
39	SINGH ANJALI JAGANNATH	E	NC
40	SINGH PRITY MAHENDRA	E	C
41	SINGH PRIYANKA SHARAD	LEFT	
42	NEGANDHI SUNITA SHAILESH	E	C
43	TIWARI DURGA AMARDEV	E	NC
44	TIWARI UTSAV RAHUL	LEFT	
45	UPADHYAY NIDHI RAMASHREY	E	C
46	YADAV SHARMILA MANDEV	E	NC

Total Enrolled	46
Total Completed	25

PRINCIPAL
RAHUL COLLEGE OF EDUCATION
Shree L. R. Tiwari Educational Campus
Mira Road (E)



RAHUL COLLEGE OF EDUCATION

(N.C.T.E. Regd. No. WRC/5-6/89/2006 Dtd. 27/09/2006 CODE NO.APW03437/123403) AFFILIATED TO UNIVERSITY OF MUMBAI AFF/RECOG.1/1249 OF 2007 Dtd.28 Feb.2007

Value Added Courses: 14 Batch 2023-25

Course Title: STEM

Resource Person: Dr. Umesh Bhadhade

Date: 6/5/24 to 10/5/24

Sr.No	Name Of The Candidates	STEM	
		Enrolled	Completed
1	ALOJ ALISHA ALFRED	E	NC
2	ALOJ CLAVIA NILRAJ	E	NC
3	ANSARI TOOBA MOHAMMED SHAHID	E	NC
4	CHAUDHARY RITU ARVIND	E	C
5	DSILVA LOYALA HENRY	E	C
6	DUBEY PRAGATI PRAMOD	E	C
7	DWIVEDI ADITI DWIJENDRA	E	NC
8	DWIVEDI ANSHIKA KARUNAKAR	E	C
9	GOND POOJA LAKHANDAR PRASAD	E	C
10	GONSALVES DOLLITA GODFREY	E	NC
11	GUPTA MEENAKSHI JITENDRA	E	C
12	JHA KANCHAN DILIP	E	C
13	KANSHETTY SANTOSHI BASAVRAJ	E	NC
14	KHAN AFEEFA ASIF JAMAL	E	NC
15	MISHRA SHRADDHA SATISH	E	NC
16	MORE PRADNYA AMRATRAO	E	NC
17	NAIK PAYAL MILIND	E	C
18	NUNES ZEENIA MACKLEEN	E	C
19	SAKAT VINOD BAJIRAO	E	C
20	SAKUNDE SAMIKSHA VIKRAM	E	C
21	SHAIKH NEHA AQEEL	E	C
22	SHAIKH SHAGUFTA IRSHAD	E	C
23	SHARMA RUBY MURLILAL	E	C
24	SHARMA RUPALI HRIDESH	E	NC
25	SHARMA POOJA DINANATH	E	C
26	SHETTY RANJINI PANDURANGA	E	NC
27	SHUKLA MEENAKSHI SHESH DHAR	E	NC



RAHUL COLLEGE OF EDUCATION

(N.C.T.E. Recg. No. WRC/5-6/89/2006 Dtd. 27/09/2006 CODE NO.APW03437/123403) AFFILIATED TO UNIVERSITY OF MUMBAI AFF/RECOG.1/1249 OF 2007 Dtd.28 Feb.2007

28	SHUKLA ROSHNI SHIVKUMAR	E	C
29	SINGH SUNITADEVI RANJEET	E	C
30	VARANKAR TANVI UMESH	E	C
31	YADAV POONAM RAMMANI	E	NC
32	YADAV NAMRATA ISHWARDIN	E	NC
33	YADAV SUNITA SHILVANTAPRASAD	E	NC

Total Enrolled	33
Total Completed	18

PRINCIPAL
RAHUL COLLEGE OF EDUCATION
Shree L. R. Tiwari Educational Campus
Mira Road (E)




RAHUL COLLEGE OF EDUCATION

(N.C.T.E. Reg. No. WRC/5-6/89/2006 Dtd. 27/09/2006 CODE NO.APW03437/123403) AFFILIATED TO UNIVERSITY OF MUMBAI AFF/REGCG.1/1249 OF 2007 Dtd.28 Feb.2007

24	MULLA MAHEK FAZLUDDIN	P	P	P	P	P	P	P	P	P	P
25	PARIHAR NEELAM JAYESH	P	P	P	P	P	P	P	P	P	P
26	PATIL JUEILI MOHAN			P			P		P		
27	PATIL SAMIKSHA AJINKYA	P	P	P	P	P	P	P	P	P	P
28	POOJA RAJESH PANDEY	P	P	P	P	P	P	P	P	P	P
29	PUROHIT SIDDHI SOHANLAL	P	P	P	P	P	P	P	P	P	P
30	SARANYAMOL. V. S	P	A	A	P		A	P	A	A	A
31	SHAH ANA VIPUL	A	P	A	A	P	A	A	P	A	A
32	SHAH PRACHI RAMESH KUMAR	P	A	P	A	A	P	A	A	MA	A
33	SHAH RUSHALI HIREN	A	P	A	P	A	A	P	A	A	A
34	SHAHI SUSHMITA SHAILENDRA	P	P	P	P	P	P	P	P	P	P
35	SHAIKH SADAF MOHAMMED ARIF	P	P	P	P	P	P	P	P	P	P
36	SHAIKH SAFINA IMTIYAZ	P	A	A	P	A	P	A	A	A	A
37	SHARMA TOSHIKA AMARDEEP	P	P	P	P	P	P	P	P	P	P
38	SHUKLA RUCHI LAXMI SHANKAR	P	P	P	P	P	P	P	P	P	P
39	SINGH ANJALI JAGANNATH	A	P	A	A	P	A	P	A	A	A
40	SINGH PRITY MAHENDRA	P	P	P	P	P	P	P	P	P	P
41	SINGH PRIYANKA SHARAD	← L E F T →									
42	NEGANDHI SUNITA SHAILESH	P	P	P	P	P	P	P	P	P	P
43	TIWARI DURGA AMARDEV	P	A	A	P	A	P	A	P	A	A
44	TIWARI UTSAV RAHUL	← L E F T →									
45	UPADHYAY NIDHI RAMASHREY	P	P	P	P	P	P	P	P	P	P
46	YADAV SHARMILA MANDEV	A	P	A	A	P	A	A	P	A	A

Total Present	26
Total Absent	18


PRINCIPAL
RAHUL COLLEGE OF EDUCATION
Shree L. R. Tiwari Educational Campus
Mira Road (E)



RAHUL COLLEGE OF EDUCATION

(N.C.T.E. Reg. No. WRC/5-6/89/2006 Dtd. 27/09/2006 CODE NO.AFW03437/123403) AFFILIATED TO UNIVERSITY OF MUMBAI AFF/RECOG.1/249 OF 2007 Dtd.28 Feb.2007

23	SHARMA RUBY MURLILAL	P	P	P	P	P	P	P	P	P	P
24	SHARMA RUPALI HRIDESH	A	P	A	A	P	A	P	A	A	A
25	SHARMA POOJA DINANATH	P	P	P	P	P	P	P	P	P	P
26	SHETTY RANJINI PANDURANGA	A	P	A	A	P	A	P	A	A	A
27	SHUKLA MEENAKSHI SHESH DHAR	P	A	A	P	A	P	A	A	P	A
28	SHUKLA ROSHNI SHIVKUMAR	P	P	P	P	P	P	P	P	P	P
29	SINGH SUNITADEVI RANJEET	P	P	P	P	P	P	P	P	P	P
30	VARANKAR TANVI UMESH	P	P	P	P	P	P	P	P	P	P
31	YADAV POONAM RAMMANI	A	A	P	A	A	P	A	A	P	A
32	YADAV NAMRATA ISHWARDIN	P	A	A	P	A	P	A	A	A	A
33	YADAV SUNITA SHILVANTAPRASAD	A	P	A	A	P	A	P	A	A	A

Total Present	18
Total Absent	15

PRINCIPAL
RAHUL COLLEGE OF EDUCATION
Shree L. R. Tiwari Educational Campus
Mira Road (E)