



DR. HOMI BHABHA
STATE UNIVERSITY, Mumbai



Ghanshyamdas Saraf
college of arts & commerce
EDUCATION EMPOWERS

Under

PM-USHA Scheme

Organizes

National Level

FACULTY DEVELOPMENT PROGRAM ON

“RESEARCH METHODS USING AI”



Dates - 16th December to 21st December 2024

Mode - Offline

»» About PM-USHA

Pradhan Mantri Uchchatar Shiksha Abhiyan (PM-USHA) is a centrally-sponsored program that aims to improve the quality of higher education in India. Dr. Homi Bhabha State University (HBSU) has been awarded a grant of Rupees 20 crores under the Grants to Strengthen Universities (GSU) component of PM-USHA. As the youngest university in the country to be selected for this grant, Dr. HBSU has achieved a significant milestone.

»» About the HBSU

Dr. Homi Bhabha State University (HBSU), established in 2019 under Maharashtra's Rashtriya Uchchatar Shiksha Abhiyan (RUSA) guidelines, is the state's first cluster university. It unites four historic colleges in Mumbai; the Institute of Science, Elphinstone College, Sydenham College, and the Secondary Training College; All the colleges are more than 100 years old; The leading college of this University is The Institute of Science was established in 1920; while the oldest the Elphinstone College was established in 1835. In 2024, HBSU expanded to include the Institute of Forensic Science, and the Sydenham Institute of Management Studies, Research and Entrepreneurship Education (SIMSREE), enriching its academic scope. As an independent, degree-granting university, HBSU has seamlessly integrated the principles of the National Education Policy (NEP), promoting interdisciplinary studies, holistic development, and skill-oriented learning. Its curriculum emphasizes flexibility through the Choice Based Credit System (CBCS), allowing students to select from a diverse range of courses across disciplines, creating a broad, customizable educational experience. With a strong focus on skill development, industry partnerships, internships, and timely evaluations, HBSU supports a dynamic, learner-centered approach that prepares students for the demands of the modern world, while fostering academic excellence, innovation, and societal impact through education.





»» About RSET

Rajasthani Sammelan Education Trust, a registered public charitable trust was established in the year 1948 at Malad, Mumbai. With an aim to promote various educational, charitable and social activities, the trust has pioneered in providing educational opportunities to various sections of society. During the last seven decades and more, the trust has played a very vital role in promoting and providing better education from primary to post graduation in the fields of Commerce, Management, Information Technology and Media Studies. Apart from its educational pursuits, Rajasthani Sammelan Education Trust also caters to the social and humanitarian needs of the community. Rajasthani Sammelan Education Trust had started its educational activities for girls, but in due course of time, it has opened its doors to boys as well. At present more than 15,000 students are receiving education in various educational institutions run by the Trust. Thousands of students beyond the boundaries of the campus are enrolled with Kunjibhari S. Goyal online Academy (GOLD). RSET has successfully completed 70 glorious years of spreading the light of knowledge and information in all directions.



»» About the GSCC

Affiliated to the University of Mumbai, the degree college started in the year 1983 and has been named in the memory of Late Seth Ghanshyamdas Saraf. Today, Ghanshyamdas Saraf college offers a wide plethora of course ranging from traditional B. Com to more contemporary degree courses like BCA, BCBI, BMS, BFM, BSc. IT, and post graduate courses in M.Com (Accounting & Management). The college has a women's hostel, Draupadidevi Sanwarlal Women's Hostel in its campus and Jankidevi Bilasrai Bubna boy's hostel which was inaugurated by famous cricketer Shri. Kapil Dev. The key strengths of our college lie on its academic excellence, co-curricular activities, qualified & highly motivated faculties and progressive outlook of the management. The college believes in overall development of the students with the goal of education and it leaves no stone unturned to equip the students with complete education so that they can face challenges in life and pursue a good career. It is a matter of pride that our students are placed in well renowned organisations like CRISIL, ICICI, L&T, Deloitte, Google to name a few.

»» About The FDP

The Faculty Development Program (FDP) on "Research Methods Using AI" is designed to empower educators and researchers with cutting-edge AI tools and methodologies, transforming traditional research practices. As AI reshapes data analysis, literature review, and predictive modeling, this FDP aims to bridge the gap between conventional research methods and advanced AI applications. Participants will explore AI-driven techniques for data collection, analysis, and synthesis, which streamline processes and uncover deeper insights. The program covers both quantitative and qualitative research approaches, emphasizing ethical and responsible AI usage to mitigate biases and protect data privacy. Through hands-on workshops and practical sessions, participants will gain valuable skills in utilizing AI platforms and machine learning models, preparing them for future-ready, impactful research endeavors. The program typically targets educators, researchers, and faculty members who are involved in research activities or are interested in conducting research in their respective fields.



» FDP Schedule

Date	Timing	Topic	Resource Person
Day 1 16th Dec	9.30 am to 10.30 am	Inaugural	
	10.30 am to 11.30 am	Introduction to research	Dr. Smita Shukla (ICSSR)
	11.45 am to 1.15 pm	Framework of research using AI	Dr. Poonam Kakkad (Nirmla)
	1.15 pm to 2.00 pm	Lunch	
	2.00 pm to 3.30 pm	How to increase your online presence as a researcher	Dr. Preeti Oza (LRMC)
	3.30 pm to 5.00 pm	Data Analytics in Research	Dr. Ajay Deshmukh (CIM)

Day 2 17th Dec	10.00 am to 11.30 am	Review of Literature using AI	Dr. Seema Somani (Pillai College)
	11.45 am to 1.15 pm	Open access resources in social sciences	Dr. Neelam Chavan (Khalsa College)
	1.15 pm to 2.00 pm	Lunch	
	2.00 pm to 3.30 pm	Literature review using AI (Hands-on-exercise)	Dr. Shamaprasad Pujar (IGIDR)
	3.30 pm to 5.00 pm	Literature review using AI (Hands-on-exercise)	Dr. Shamaprasad Pujar (IGIDR)

Day 3 18th Dec	10.00 am to 11.30 am	Formulation of hypothesis, Types and various methods of Testing of Hypothesis	Dr. Kuldeep Sharma (Hinduja)
	11.45 am to 1.15 pm	Sampling using AI	Dr. Kuldeep Sharma (Hinduja)
	1.15 pm to 2.00 pm	Lunch	
	2.00 pm to 3.30 pm	Online Referencing Tools (Theory and hands on)	Dr. Jyoti Babhal (SNDT)
	3.30 pm to 5.00 pm	Online Referencing Tools (Theory and hands on)	Dr. Jyoti Babhal (SNDT)

Day 4 19th Dec	10.00 am to 11.30 am	Data collection and analysis using AI	Dr. Ajaneya Reddy (IGIDR)
	11.45 am to 1.15 pm	Data collection and analysis using AI	Dr. Ajaneya Reddy (IGIDR)
	1.15 pm to 2.00 pm	Lunch	
	2.00 pm to 3.30 pm	Jamovi (Hands-on-exercise)	Dr. Madhukar Dalvi (NL Khandwala)
	3.30 pm to 5.00 pm	Jamovi (Hands-on-exercise)	Dr. Madhukar Dalvi (NL Khandwala)

Day 5 20th Dec	10.00 am to 11.30 am	IPR	Dr. Anirudha Patil (MD College)
	11.45 am to 1.15 pm	Research Ethics (Plagiarism)	Dr. Elizabeth Mathews (CKT College)
	1.15 pm to 2.00 pm	Lunch	
	2.00 pm to 3.30 pm	AI as a co-author: transforming research writing	Dr. Gurudutta Japee (Gujrat University)
	3.30 pm to 5.00 pm	AI as a co-author: transforming research writing	Dr. Gurudutta Japee (Gujrat University)

Day 6 21st Dec	10.00 am to 11.30 am	How AI supplements the research and its pitfalls	Dr. Divyendu Verma (DuxLegis)
	11.45 noon to 1.15 pm	How AI supplements the research and its pitfalls	Dr. Divyendu Verma (DuxLegis)
	1.15 pm to 2.00 pm	Lunch	
	2.00 pm to 3.30 pm	Understanding Research Metrics	Dr. Sujata Rajapurkar (St. Andrew)
	3.30 pm to 4.30 pm	Valedictory	

» Instructions for the Participants

- ▶ Attendance is mandatory for all the sessions of six day FDP for the certificate to be issued
- ▶ Attendance Log will be maintained
- ▶ Decision taken by the organizers about any attendance discrepancy will be binding on the concerned participant
- ▶ No reason/excuse will be entertained for the absentee.
- ▶ Registration is free
- ▶ Certificates will be distributed only after clearance of all the test conducted.
- ▶ This FDP will be considered for 2 credit points for Ph.D. course work



CHIEF PATRONS

Prof. Rajanish Kamat

Vice-Chancellor
Dr. Homi Bhabha State University
Mumbai

Shri Ashok M. Saraf

Chairman
Rajasthani Sammelan
Education Trust

Shri J. P. Khemka

Hon. Sec., Gov.Council, GSCC
Rajasthani Sammelan
Education Trust

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CHAIRPERSON

Dr. (CA) Ashwat Desai

Professor and Principal, GSCC

COORDINATORS



**Ghanshyamdas Saraf College
of Arts and Commerce**

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HOD Commerce

Dr. Neha Joshi

Librarian



**Dr. Homi Bhabha
State University**

Dr. Shubhangi Patil

Dept. of Chemistry

Dr. Utkarsha Lekhak

Dept. of Biochemistry

ORGANISING COMMITTEE

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FOR FURTHER DETAILS/QUERIES, PLEASE CONTACT

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Institutions



Kudilal Govindram Seksaria
sarvodaya school
INSPIRE, INVENT, INITIATE



Kudilal Govindram Seksaria
english school
INSPIRE, INVENT, INITIATE



Ramniwas Bajaj
english high school
UNLEASH YOUR POTENTIAL



Mainadevi Bajaj
international school
GIVING WINGS TO YOUR DREAMS



Durgadevi Saraf
junior college
IN PURSUIT OF EXCELLENCE



Ghanshyamdas Saraf
college of arts & commerce
EDUCATION EMPOWERS



Kirandevi Saraf
institute of complete learning
WIDENING HORIZONS



Durgadevi Saraf
institute of management studies
WE CREATE LEADERS



Durgadevi Saraf
global business school
LEARN AND INSPIRE



Deviprasad Goenka
management college of media studies
INDIA'S PREMIER MEDIA SCHOOL



Ladhidevi Ramdhar Maheshwari
night college of commerce
ENLIGHTENING FUTURE



Ramdhar Maheshwari
career counseling centre
STEERING TO SUCCESS



Kunjibihari S. Goyal
online academy
LEARNING BEYOND BOUNDARIES



Draupadidevi Sanwormal
women's hostel
HEAVENLY DOMICILE



Pravinchandra D. Shah
sports academy
FITNESS REGIME



Vishwanath Podar
study centre
INTELLECTION HUB



Mainadevi Bajaj
international playschool
YOUNG EVOLVING MINDS



Jankidevi Bilasrai Bubna
boys hostel
A WISE HIVE



Nalini Shah
music academy
MUSICAL HARMONY



Rajasthani Sammelan
skill development centre
SCULPTING SKILLS

Endowment Funds & Research Chair



Remsons Group
management research centre
MANAGEMENT RESEARCH



I R B
scholarship endowment fund
HONOURING EXCELLENCE



B K T
endowment freeship fund
FOSTERING KNOWLEDGE



Jankidevi Bilasrai Bubna
endowment freeship fund
EMBOLDENING STRENGTHS

Facilities



Dhurmal Bajaj
bhavan
COMMUNITY PARADISE



Durgadevi Saraf
hall
TREASURING MEMORIES



Trivenidevi Deora
chikitsa sahayata kosh
HELPING TO HEAL



Ramnarayan Saraf
educational outlet
ONE STOP EDU-SHOP



Vijay Pal Singh
health centre
WEALTH OF WELLBEING



Kirandevi Saraf
library and reading room
WORLD OF KNOWLEDGE



Rajasthani Sammelan
I.T. hub
LINKING GLOBALLY



Rajasthani Sammelan
food court
FOOD FOR THOUGHT