



Fergusson College (Autonomous), Pune

UGC-STRIDE Scheme (Component-I)

**Scheme for Trans-disciplinary Research for
India's Developing Economy (STRIDE)**



SCHEME FOR TRANS-DISCIPLINARY RESEARCH
FOR INDIA'S DEVELOPING ECONOMY

Title of the Project- KNIT - Knowledge - Nurture - Innovate and Transfer

STRIDE MENTORING and MONITORING COMMITTEE (SM²C)

STRIDE COMPONENT- I

(Research Capacity Building and Human Resource Development)

The College has been awarded the UGC Scheme- STRIDE (Scheme for Transdisciplinary Research for India's Developing Economy) under Component -I (Institutional). The objectives of the scheme are as follows:

The scheme is to strengthen national and international collaborative trans-disciplinary research culture in universities and colleges by adopting the following:

1. To motivate young faculty to undertake short term projects analyzing local, regional, national problems pertaining to social, cultural and economic aspects of development.
2. To encourage critical reasoning, design thinking and constructive enquiry to articulate research questions, objectives, hypothesis and methodology.
3. To acquire scientific writing skills, communication and articulation to disseminate research findings, and also in developing select bibliographies, constructing indices, databases, etc.
4. To sensitize the stakeholders about the issues of societal, national, regional and global importance across disciplines through exchange of ideas by creating forums like discussion groups, periodic meetings, workshops, special lectures by experts, etc.
5. To promote entrepreneurship among young faculty, scholars and students through systematic talent hunt, mentorship programs, ideas, innovation, research presentation competitions, annual research seminars and start-up guidance.
6. To promote and strengthen faculty development and postdoctoral research fellowship programs in all disciplines and also promote academic and research ethics and integrity.
7. To promote exchange between HEI faculty and scientists from national bodies/ laboratories like CSIR, DST, DBT, ICMR, ICAR, DRDO, ISRO, ICSSR, ICHR, ICCR etc., for a period of 6-12 months split-site model. it can be mutually beneficial for enhancing the quality and relevance of trans-disciplinary research.

8. To involve retired, yet active faculty/scientists in research capacity building efforts. Eminent faculty (Fellows of National Academies/National Awardees etc) from parent or neighbouring institutions may be invited as emeritus professors to mentor younger faculty in the respective Universities/Institutions.

The **Mentoring and Monitoring Committee**

1	Dr. Ravindrasing Pardeshi	Principal	Chairman of MMC
2	Prof. Shridhar Gadre	Distinguished Professor, Savitribai Phule Pune University, Pune.	UGC Nominee
3	Dr. Ashish Yengantiwar	Department of Physics and ARC	National Scholar (UGC RAMAN Fellowship awardee
4	Dr. Raka Dabhade	Head, Department of Physics	Fellow of National Academy/ National Awardee (INSA Awardee)
5	Dr. Nitin Kulkarni	Head, Department of Electronic Science	Member
6	Swati Jogalekar	Department of Computer Science	Member
7	Dr. Samir Terdalkar	Coordinator, IQAC	Member
8	Dr. Subhash Shende	Head, Department of Statistics	Member
9	Anil Sawarkar	Head, Department of Psychology	Member
12	Vrushali Limaye	Coordinator, IMCA	Member
13	Swati Satpute	Coordinator, Data Science	Member
14	Dr. Ishita Ghoshal	Department of Economics	Coordinator

Areas of Training and Capacity Building

1	Python programming for Life Sciences and Social Sciences
2	“R” programming with subject specific applications
3	Social Sciences Develop predictive models
4	Use of Panel Data Econometrics for Economic Analysis
5	Artificial Intelligence and Machine Learning for Social Sciences
6	Big Data Analytics for Social Sciences
7	Computational General Equilibrium Modeling Techniques
8	Scientific writing to publish research
9	Cognitive Sciences for Arts and Science
10	Practicing Trans- disciplinary Academic Enquiry
11	Multivariate Analysis for Social Scientists
12	Qualitative Research Methods for Social Science
13	Clinical Diagnostic Tools for Mental Disorders Application of Game Theory in Social Sciences