



<b>Deccan Education Society's</b>								
<b>Fergusson College (Autonomous), Pune</b>								
<b>List of CE Activities / Projects for the year 2019-2020</b>								
<b>SPECIAL PG PROJECTS UNDER LIFE PROGRAMME "COLLEGE OF EXCELLENCE" (CE) -ARTS</b>								
Sr. No.	Name of the Department	Name of the Guide / Mentor	Title of the Training Programme / Workshop	Amount Requested (Rs.)				
				Lab Consumables	CDs / Pendrives / Stationary / Printing	Any other (Only for	Total (Rs.)	
1	Economics	Dr. Santosh Pharande	Migrated population and economic development of pune city	5,000.00	1,000.00	3,000.00	9,000.00	
				<b>TOTAL</b>	<b>1,000.00</b>	<b>3,000.00</b>	<b>9,000.00</b>	
	<b>Note:</b>							
	<b>1. All the purchase bills should be in the name of 'Principal', Fergusson College.</b>				<b>Dr. Ravindrasing Pardeshi</b>			
	<b>2. All the bills should have valid GST Number. Without that, a bill will not be sanctioned.</b>				<b>Principal</b>			
	<b>3 Hard copy and Soft copy of the completed project must be submitted before 30/11/2019</b>							
<b>Deccan Education Society's</b>								
<b>Fergusson College (Autonomous), Pune</b>								
<b>List of CE Activities / Projects for the year 2019-2020</b>								
<b>SHORT-TERM RESEARCH PROJECTS UNDER STAR PROGRAMME "COLLEGE OF EXCELLENCE" (CE) -ARTS</b>								

Sr. No.	Name of the Department	Name of the Guide / Mentor	Title of the Training Programme / Workshop	Amount Requested (Rs.)			
				Lab Consumables (Chemicals, Glassware and Components)	CDs / Pendrives / Stationary / Printing	Any other (Only for Arts Teachers')	Total (Rs.)
1	Economics	Dr. Ishita Goshal	Modelling Gender Wage in Manufacturing and Service Sector in Pune A Behavioural Approach	15,000.00	1,000.00,	(TA) 8,000.00	24,000.00
2	Economics	Dr.Santosh Pharande	Impact of maharashtra's jalyukt shivar scheme on socio- economic status of the farmer's in purandar taluka of pune district	12,000.00	1,000.00	10,000.00	23,000.00
			<b>TOTAL</b>	27,000.00	2,000.00	18,000.00	47,000.00
	<b>Note:</b>						
	<b>1. All the purchase bills should be in the name of 'Principal', Fergusson College.</b>			<b>Dr. Ravindrasing Pardeshi</b>			
	<b>2. All the bills should have valid GST Number. Without that, a bill will not be sanctioned.</b>			<b>Principal</b>			
	<b>3 Hard copy and Soft copy of the completed project must be submitted before 30/11/2019</b>						

**Deccan Education Society's  
Fergusson College (Autonomous), Pune**

**List of CE Activities / Projects for the year 2019-2020**

**MINI PROJECTS UNDER MAST PROGRAMME FOR UG STUDENTS UNDER "COLLEGE OF EXCELLENCE" (CE) (SCIENCE)**

Sr. No.	Name of the Department	Name of the Guide / Mentor	Title of the Training Programme / Workshop	Amount Requested (Rs.)			
				Lab Consumables (Chemicals, Glassware and Components)	CDs / Pendrives / Stationary / Printing	Any other (Only for Arts Teachers')	Total (Rs.)
1	Chemistry	Murkute R.B	Synthesis of bromo derivative of Juglone	5,000.00			5,000.00
2	Physics	Dr. Ashish Yengantiwar	Synthesis of two dimensional materials for photocatalyst applications : The case of SnSe2 , SnS2	4,000.00	1,000		5,000
3	Physics	Dr. Ashish Yengantiwar	Photocatalyst application of black phosphorous 2D material	4,000	1,000		5,000
4	Chemistry	Prof. Nilam Arunkumar Patil	Synthesis of nanoparticle from plant and their characterisation	4,000	1,000		5,000
5	Chemistry	Prof. Nilam Arunkumar Patil	Green synthesis and characterisation of nanoparticle	4,000.00	1,000.00		5,000.00
6	Botany	Swarupa S. Chowdhury	Organic fertiliser a natural remedy for crop improvement	5,000.00			5,000.00
7	Botany	Dr.Vaishali A Thakur	Symbiotic diazotrophs as germination rate enhancer	5,000.00			5,000.00
8	Botany	Dr. Rupali Seth	Phytochemical Analysis of Tinospora	4,000.00	1,000.00		5,000.00
9	Botany	Dr.Jogita T Pandkar	Reporting Algal Diversity from Fergusson College hill pune	4,000.00	1,000.00		5,000.00
10	Geology	Dr.Shyam N Mude	Heavy mineral analysis of sediments from marth formation, Rajasthan, India	4,500.00	500.00		5,000.00
11	Geology	Dr.Devdutt V Upasani	Study of rocks from Mer-Mundhwarra Igneous Complex, Rajasthan	600.00		4,400.00	5,000.00
12	Geology	Mr. S.P.Kokate	Preparation of charts for classification of rocks and minerals	4,400.00	600.00		5,000.00

13	Biotechnology	Nandini Kotharkar	Comparative estimation of phytochemicals by ethanolic extraction of selected fruit peels	4,000		1,000	5,000	
14	Biotechnology	Dr. Tejas Borwankar	Effect of ayurvedic and allopathic medicines on the growth of representative member of gut flora	5,000.00			5,000.00	
15	Biotechnology	Alisha Galande	Effects of alcohol and neem extracts on drosophila (fruit flies)	4,500.00	500.00		5,000.00	
16	Biotechnology	Dr. Sonali Joshi	To study antibiotic resistance in bacterial isolates from Mutha River	4,500.00	500.00		5,000.00	
17	Biotechnology	Dr.Dhanashri Godbole	Influence of shellac wax coating on life span of drosophila and its behavior response	4,300.00	700.00		5,000.00	
18	Biotechnology	Dr. Gayatri Gurjar	Isolation of fungal and algal partners from lichens and their characterisation	5,000.00			5,000.00	
19	Biotechnology	Dr. Sonali Joshi	To isolate and characterise plastic degrading bacteria from soil collected from dumping ground	4,500.00	500.00		5,000.00	
20	Biotechnology	Dr. Sneha Joshi	Physicochemical and sensory analysis of full - fat reduced fat and low fat cheeses	4,500.00	500.00		5,000.00	
21	Biotechnology	Dr. Sneha Joshi	Survey based analysis of prevalence of anemia in pregnant women and its associated factors	1,000.00	4,000.00		5,000.00	
				<b>Total</b>	85,800.00	13,800.00	5,400.00	1,05,000.00
<b>Note:</b>								
<b>1. All the purchase bills should be in the name of 'Principal', Fergusson College.</b>				<b>Dr. Ravindrasing Pardeshi</b>				
<b>2. All the bills should have valid GST Number. Without that, a bill will not be sanctioned.</b>				<b>Principal</b>				
<b>3 Hard copy and Soft copy of the completed project must be submitted before 30/11/2019</b>								

**Deccan Education Society's  
Fergusson College (Autonomous), Pune**

**List of CE Activities / Projects for the year 2019-2020**

**SPECIAL PG PROJECTS UNDER LIFE PROGRAMME "COLLEGE OF EXCELLENCE" (CE)- SCIENCE**

Sr. No.	Name of the Department	Name of the Guide / Mentor	Title of the Training Programme / Workshop	Amount Requested (Rs.)			
				Lab Consumables (Chemicals, Glassware and Components)	CDs / Pendrives / Stationary / Printing	Any other	Total (Rs.)
1	Chemistry	Murkute R.B	Synthesis of lapachol complexes with Fe <sup>2+</sup> , Ni <sup>2+</sup> , Co <sup>2+</sup>	8,500.00	1,500.00		10,000.00
2	Electronic Sc	Dr.Kalpna Kulkarni	Gesture Based Home Automation using sith sense	10000.00			10,000.00..
3	Electronic Sc	Ms. Ranjana T.Tilekar	Smart virtual reality robot using raspberry Pi	10,000.00			10,000.00
4	Physics	Dr. Ashish Yengantiwar	Antimicrobial activity of Ca(Zn(OH) <sub>3</sub> ).2H <sub>2</sub> O & ZnO nanoparticles synthesis by sol-gel method	9,000.00	1,000.00		10,000.00
5	Physics	Dr. Ashish Yengantiwar	Synthesis of Ag decorated graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) for photocatalytic activity	9,000.00	1,000.00		10,000.00
6	Physics	Dr. Ashish Yengantiwar	Smart coating for corrosion protection by adopting nano particles	9,000.00	1,000.00		10,000.00
7	Statistics	Mrs. Charuta Dabir	Statistical influence of instagram on youngsters		1,000.00	1,000.00	2,000.00
8	Statistics	Mrs. Charuta Dabir	Analysis of student's travel time during rainy season		1,000.00	1,000.00	2,000.00

9	Chemistry	Dr.Kirti Chintamani	To study the botanical from convention sources for disease specific activity	9,000.00	1,000.00		10,000.00
10	Chemistry	Dr.Kirti Chintamani	Isolution , purification and characterization of bioactive compounds from natural sources	9,500.00	500.00		10,000.00
11	Chemistry	Dr. Neeta J Karale-Unde	Effect of doping metal ions on structural and photocatalytic behavior of semiconductor	9,000.00	1,000.00		10,000.00
12	Chemistry	Dr.Samir Vasudev Onkar	Green synthesis and characterisation of transition metals nano particles	5,000	1,000	4,000	10,000
13	Chemistry	Mrs. Gauri M lohar	Synthesis characterisation of gum ghatti grafted copolymen with acrilicacid lanylamid : its applicat	5,000	1,000	4,000	10,000
14	Chemistry	Ms. Archana Tanwar	Drug-Inclusion complex synthesis and application in drug delivery	8,000.00		2,000.00	10,000.00
15	Geology	Mr.Aneesh Soman	Study of turriteloids from a new locality in Miocene of Kachchh	3,500.00	500.00	5,200.00	9,200.00
16	Geology	Mr. Aneesh Soman	Study of fossil Echinoids from Maniyara fort formation (Oligocene),Kachchh	3,500	500	5,700	9,700
17	Environment al Science	Rupali Gaikwad	Human Impact on Marine Ecosystem	4,000.00	1,000.00		5,000.00
18	Environment al Science	Dr. Vinayak D. Chavan	Mapping Vertebrate Faunal Distribution in the Fergusson College Campus	2,500.00	1,000.00	1,500.00	5,000.00
19	Environment al Science	Ms. Priti Aphale	Socio economic and Environmental impact assessment of metro from some parts of pune city	4,000.00	1,000.00		5,000.00
20	Environment al Science	Dr. Shraddha Kulkarni	Characterization of weather element of pune city with refernce to fergusson college as a sa	4,000.00	1,000.00		5,000.00
21	Environment al Science	Dr. Shraddha Kulkarni	Green solution to paper waste by using it as a plant manure	7,000.00	1,000.00	2,000.00	10,000.00
22	Environment al Science	Rupali Gaikwad	Microplastics in Enivronment	7,500.00	1,000.00	1,500.00	10,000.00
23	Environment al Science	Rupali Gaikwad	Environmental Impact of Ganesh Festival in pune city problems and solutions	7,500.00	1,000.00	1,500.00	10,000.00
24	Biotechnolo gy	Dr.Gayatri Gurjar	Reconstitution of lichens on the laboratory - an attempt towards lichen conservation	10,000.00			10,000.00
			<b>Total</b>	1,54,500.00	19,000.00	29,400.00	1,92,900.00
	<b>Note:</b>						
	<b>1. All the purchase bills should be in the name of 'Principal', Fergusson College.</b>			<b>Dr. Ravindrasing Pardeshi</b>			
	<b>2. All the bills should have valid GST Number. Without that, a bill will not be sanctioned.</b>			<b>Principal</b>			
	<b>3 Hard copy and Soft copy of the completed project must be submitted before 30/11/2019</b>						
	<b>Deccan Education Society's</b>						
	<b>Fergusson College (Autonomous), Pune</b>						
	<b>List of CE Activities / Projects for the year 2019-2020</b>						
	<b>SHORT-TERM RESEARCH PROJECTS UNDER STAR PROGRAMME "COLLEGE OF EXCELLENCE" (CE) - SCIENCE</b>						
<b>Sr. No.</b>	<b>Name of the</b>	<b>Name of the</b>	<b>Title of the Training Programme / Workshop</b>	<b>Amount Requested (Rs.)</b>			

	Department	Guide / Mentor		Lab Consumables (Chemicals, Glassware and Components)	CDs / Pendrives / Stationary / Printing	Any other	Total (Rs.)
1	Chemistry	Murkute R.B	Synthesis of semi carbazide and accide derivatives of juglone	17,000.00	1,000.00	7,000.00	25,000.00
2	Electronic Sc	Ms. Yogita Sandip Khondge	Smart robot ARM using raspberry	10,000.00			10,000.00
3	Electronic Sc	Ms. Panchasheela Kamble	Smart Attendance system	10,000.00			10,000.00
4	Chemistry	Mrs. Gauri M lohar	Synthesis of polysachanide grafted copolymen for	20,000.00	1,000.00	4,000.00	25,000.00
5	Chemistry	Dr. Anil Markandeya	Metabolite profiling and bioactivity of vermonia anthelmintica	7,500+7,500	1,000.00	9,000.00	25,000.00
6	Chemistry	Ms.Archana Tanwar	Application of polymeric nanocomposite for drug delivery application	20,000.00	2,000.00	3,000.00	25,000.00
7	Boatny	Dr. Minakshi Mahajan	PATS (Pune Avenue Trees Survey) : " A pilot approach towards building a green data base for cities "	5,000.00			5,000.00
8	Geology	Dr. Shyam N Mude	Geochemical Characterisation presentation rocks exposed along Nilkanth - Deori Road, Uttarakhand, India			25,000.00	25,000.00
9	Geology	Ms. Madhavi Ukey	Stable isotope studies of cale tufa from Vamhori, Ahmednagar, Maharashtra			36,500.00	36,500.00
10	Biotechnology	Dr.Sanket Tembe	Spectroscopic investigation of vit.B12 for its measurment in pharma centical sample	10,000.00			10,000.00
11	Biotechnology	Alisha Galande	Isolation of lamins from Hydra	24,500.00	500.00		25,000.00
12	Biotechnology	Dr. Gayatri gurjar	Characterization of insulin plant for it anti-diabetic potential	25,000.00			25,000.00
13	Biotechnology	Nandini Kotharkar	GCMS analysis of biologically active phyto constituents from ethanolic extracts of bark of Nyctanthes arbor tristis	20,000.00		5,000.00	25,000.00
14	Chemistry	Dr Parbati Bandyopadhyay	Preparation and characterization of chemically modified cellulose based adsorbents for removal of dyes (cationic/anionic) and heavy metals from industrial efflients	22,000.00	1,000.00	2,000.00	25,000.00
			<b>Total</b>	1,61,500.00	5,500.00	89,500.00	2,71,500.00
	<b>Note:</b>						
	<b>1. All the purchase bills should be in the name of 'Principal', Fergusson College.</b>			<b>Dr. Ravindrasing Pardeshi</b>			
	<b>2. All the bills should have valid GST Number. Without that, a bill will not be sanctioned.</b>			<b>Principal</b>			
	<b>3 Hard copy and Soft copy of the completed project must be submitted before 30/11/2019</b>						