



To,

The Head,

Department of Zoology

Subject: Sanction of student research proposals for 2022-23

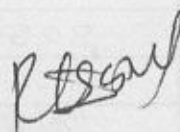
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

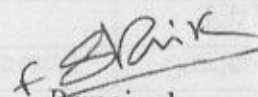
The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal

Anekant Education Society's
Tuljaram Chaturchand College
of Arts, Science & Commerce, Baramati.
Autonomous
Department of Zoology

Sr. no.	Name of guide	Name of students	Title of the project	Hiring services	Contingency	Field work and travel	Chemicals & glassware	Total
1.	Dr. V.B Nale Prof. S.P. Chordiya (Co-Guide)	1.Shilvantvidya 2.Kamble Sujaysinh 3.Kare Smadhan	Biodiversity of plant nematodes, Dung beetles and Snakes from Baramati Tehsil	5000/-	3000/-	3000/-	1000/-	12,000/-
2.	Dr. D.M Sangale Prof. S.P. Chordiya (Co-Guide)	1.Tamboli Tamanna 2.Jadhav Shrutika 3.Ghadge Shubham	DNA barcoding of freshwater fishes found in backwater of Ujjani wetland and Songaon confluence of Neera and Karha River in Pune District Maharashtra.	10000/-	1000/-	2000/-	2000/-	15,000/-
3	Miss.V.H.Bhong Dr.V B Nale(Co-guide)	1. Aishwarya Thanke 2. Aditi Salve 3.Puja Shinde	"Culture of Microalgae & their role in the growth of <i>Cirrhinus mrigala</i> "	5000/-	500/- 5000/-	1000/- 1000/-	3500/- 9000/-	10,000/- 15000/-
4	Mr. M.S. Shitole Miss.S.S.Dombale	1.Gotsurya Pranita 2. Ghangar Pratiksha 3. Ahiwale Samiran 4. Bhong Akshay 5. Sabale Rutuja	Preparation of ideal for Daphnia culture and effect of two organophosphate insecticides on its population dynamics, behavior and physiology	-				
5	Miss. S.K. Jamble Mr. K.H. Kaware(Co-guide)	1.Sutar Manisha 2.Powar Pooja 3.Kothmire Aarti	Heavy metal analysis in <i>Oreochromis mossambicus</i> from Malegaon lake of Daund Tehsil, Pune district, Maharashtra	5000	1000	2000	2000	10,000
6	Miss. R.B.Sutar Mr K H Kaware(Co-guide)	1.Miss.Kshirsagar D R	To check toxic effect of mint oil Ginger oil	5000	1500	1000	2500	10,000



Anekant Education Society's
Tuljaram Chaturchand College
 of Arts, Science & Commerce, Baramati.
 Autonomous
 Department of Zoology

7	Mr. S.R. Markad	1.Salunke Pragati 2.Sonwalkar pratiksha 3.Ghanwat Komal	Study the reproductive biology of <i>Pterygoplichthys pardaliu</i> in Bhima river	4000/-	1500/-	2500/-	2000/-	10,000/-
8	Miss S.V Shah	1.Pratiksha pondkule 2.Shingade Nikita 3.Chandgudepranali	Study of efficiency of plants as natural insect repellent against mosquitoes ,cockroaches and Housefly	-	2000	2000	6000	10000/-
			Total	34000	15500	14500	28000	92,000

[Signature]
 Coordinator
 ARC



[Signature]
 Chairman
 Research committee

[Signature]
 Principal

To,

The Head,

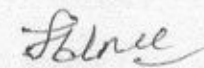
Department of Electronic

Subject: Sanction of student research proposals for 2022-23

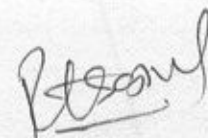
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science, Commerce, Baramati
(Autonomous)

Department of Electronics 2022-23(Student Research Proposal)

Sr. No	Name of Guide	Name of students	Title of the Project	Hiring Services(Components)	Contingency	Chemical and Glassware	Total
1)	Dr.J.D.Deshpande	1)HangePallavi 2)Gavhanevikram 3)BhapkarMayur	Development of Home Automation system using IOT	5000	1000	-	6000
2)	Prof.V.T.Yelpale	1)Mane Sayali 2)LimbooreAniket 3)Gaikwad Mayur	Design and Development of College notice display for Students.	5000	1000	-	6000
3)	Prof.S.H.Gawade	1)MelavaneAkansha 2)Atole Ganesh 3)Kanharkar Karan	Development of Smart Automation for Nursery Plant.	5000	1000	-	6000
4)	Dr.Kothawale.A.S	1)VivekKanade 2)RushikeshShitole 3)SayaliSankpal	Design and Development of smart sericulture system using Embedded System	11000	1000	-	12000
5)	Dr..S.N.Patil	1)Pruthvirajjagtap 2)Prasad Bhagwat 3)VaibhavAvghade	Development of Embedded System for biomedical Application	11500	1000	1000	13500
6)	Prof.S.A.Gawade	1) Prashant Raut	An intelligent health	11000	1000	-	12000

		2)Kiran Datir 3)Aditya Gajakas	supervising system.				
7)	Dr.A.M.Pawar	1)PratikeshDesh mukh 2)Piyush Wankhede 3)Hossana Berra	IOT Based Electronic solution for -Agro industrial Application.	12500	1000	-	13500
8)	Prof.P.D.Rupnawar	1)Payal Gaikwad 2)Kaustub Mane 3)Nikhil Malshikare	IOT theft detection using Raspberry pi.	11000	1000	-	12000
9)	Prof.S.S.Patil	1)SagarBhagat 2)Devkatemahesh 3)SayaliPawar	IOT Based automatic vehicle accident detection and rescue system.	8500	1000	-	9500
10)	Prof.P.K.Shinde	1)ShedgeDhanash ri 2)Dhumal Kiran 3) ShrutiRaut	Development of AVR Atmega8 based on heart rate monitoring system.	8000	1000		9000
			Total	88500	10000	1000	99500

Since

Coordinator

ARC

Itseoul

Chairman

Research Committee

f. Sair

Principal



To,

The Head,

Department of Botany

Subject: Sanction of student research proposals for 2022-23

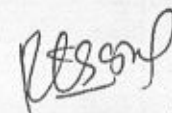
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

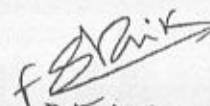
The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati (Autonomous)
Post Graduate Research Centre, Department of Botany
Proposed Expenditure details of Student Research Proposals 2022-23

Sr. No.	Name of the Guide	Name of the Student	Roll No.	Title of Project	Chemical and Glassware's	Contingency	Field work and travel	Hiring Services	Total
1.	Prin. Dr. C. V. Murumkar	Gaikwad vaibhavi vishnu	15837	Effect of sodicity on germination of chickpea (<i>Cicer arietinum</i> L.) under salinity.	400	1000	500	2000	2900
2.	Emer. Prof. Dr. S. J. Chavan	Wagh Snehal Sharad	15827	Study of biological, antimicrobial properties and germination effect on some oil seed crops of mosses	400	1000	500	2000	3400
		Ramdasi Nikita Mukunda	15829	study on nitrogen metabolism, enzyme activity and synthesis of silver nitrate nanoparticles in mosses	400	1000	500	1500	3400
		Taware manjusha rajendra	15831	Study of biological, antimicrobial properties and germination effect on indigenous crop seeds of liverworts	400	1000	500	2000	3900
		Raut Amit Anil	15832	Study on nitrogen metabolism, enzyme activity and synthesis of silver nitrate nanoparticles of liverworts and hornworts	400	1000	500	1500	3400
		Gaikwad Ranjit	15842	Studies on secondary metabolites, physiological and chemical parameters of some Bryophytes	400	1000	500	2500	4400





		Kale Snehal Sanjay	15864	Charachterisation of some liverworts, mulberry plant and combined effect on germination of pulses,cicer and mung	400	1000		2000	3400
3.	Prof.Dr.B.S. Mali	Torane pooja Dilip	15825	Role of vermin on growth of Tomato	400	500	500	2000	2900
		Lonkar Srushti Dadaso	15863	Role of vermicompost on growth of Brinjal (Solanum melongena L.)	400	1000	500	1000	2400
4.	Prof.Dr.M.B.Kanade	Bodare Nikita Pradip	15836	Isolation and identification of fresh water fungi from some natural reservoirs from Baramati tahsil	400	-	500	2500	4400
		Supekar Snehal Chandrakant	15844	Studies on rhizosphere soil fungi of <i>Vignaradiata</i> L. and characterization of dominant rhizosphere soil fungi for qualitative and quantitative analysis of primary and secondary metabolites	400	1000	500	1500	3400
		Gaikwad Uma Shriram	15862	Studies on some dominant fresh water fungi for qualitative and quantitative analysis of primary and secondary metabolites.	400	1000	500	2000	3000
5.	Dr. R. D. Chitale	Ranaware Pratik Sujit	15834	Study of Airomycoflora over sugarcane (<i>Saccharumofficinarum</i> L.) fields from Baramati Tehsil.	400	1000	500	1000	2900
		Karve Nikita	15868	Stydy of aeromycoflora over maize from Baramati tahsil	400	500	500	500	2500
6.	Dr. M. P. Patil	Sarde Akshta	15872	Utilization of mixed leaves filter toconverting into compost by using decomping	400		500	2300	3200

				culture			500	2500	3400
		Tamboli Moin Iqbal	25844	Extraction and Characterization of flavonoid from <i>Tarminalia arjuna</i> .	400				
7.	Miss. A. B. Dudhal	Mane Deshmukh Dipraj Fatteshinh	15832	Study of physical and chemical properties of five dairy products	400	1000	500	1000	2900
		Bandgar Swati Shankar	15861	Study the effect of panchagavya on seed germination of chilli (<i>Capsicum annuum</i> L).	400	1000	500	2000	3400
8.	Mr .P. J. Bankar	Vibhute shivani Vijay	15744	Study of physicochemical analysis of diff. localities rhizosphere soil	400	1000		2000	3400
		Koli Akash Bhadreshwar	15838	Study of rhizosphere soil fungi of Mung bean (non irrigated soil) for qualitative and quantitative analysis of primary and secondary metabolite	400	1000	500	2000	3900
9.	Mr.S.R.Chandankar	Shinde Bhagyashri Rajendra	15839	Study of Aeromycoflora over pomegranate field	400	1000	500	1000	2900
		Raut Shraddha Sanjay	15873	Formulation of herbal hand sanitizer from <i>oscimum</i> .	400	1000	500	2000	3900
10.	Dr. J. P. Gadade	Gaikwad Akanksha		Study of Pollen Morphology of some common plants	400	-		2500	2900
		Sonawane Priyanka	15871	Green synthesis of metallic nanoparticles using plant extracts	400		500	500	1400
11.	Mr. A.P. Waghmode	Gore Nitin Anil	15869	Study of species diversity of family Fabaceae (Leguminosae) and to make digital herbarium from the Nimsakhar village of Indapur tehsil.	400	1000	500	500	2000



		Jadhav Pradip Gokul	15870	Study of species diversity of common weed plants found in agricultural fields of the Gojubavi village of Baramati Te00hsil	400		500	1000	2500
12.	Dr. M. P Patil/ Supriya Thombre	Kadam Vidya Prakash	15821	Comparitive studies on secondary metabolites in 3 Terminalia species	400	-	500	25000	3400
13.	Mrs.R. P. Jagtap	Salunkhe Mayuri	15822	Preparation of panchgavya and study its physiochemical proeptries	400	1000			1400
14.	Mr.S.B.Thorat	Mali Priyanka Arjun	15840	Studies on rhizosphere soil fungi of cajanus cajan from Baramati area	400	1000	500	1500	3400
		More Siddhant Shivaji	15861	Isolation & Identification of endophytic fungi of Cajanus cajan L.from Baramati area	400	1000	500	2000	3900
15.	Mr T. S. Nevse	Malivasekar Asavari Mohan	15865	Survey of plants from family poaceae of sangola	400	1000		2000	2900
		Adat Ujwala Shankar	15866	Survey of plants from family poaceae of Malshiras	400	1000		2000	2900
Total					11700	23500	11500	53300	100000

Blave
Coordinator
ARC

Pleasur
Chairman
Research committee

f. S. Air
Principal



To,

The Head,

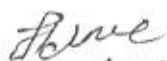
Department of Lib. And Information

Subject: Sanction of student research proposals for 2022-23

Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.
(Autonomous)
Department of Library and Information Science
(2022 - 2023)

Name of Guide	Name of students	Title of the project	Contingency	Fieldwork and travel	Total
1.Mr.D.V. Munguskar	1.Miss Pooja Pradip Thombare	तासगांव येथील पद्मभूषण डॉ. वसंत दादा पाटील महाविद्यालयीन ग्रंथालयातील देवघेव विभागाचा अभ्यास.	2500/-	1000/-	3500/-
	2.Miss Gauri Laxman Nanaware	विद्या प्रतिष्ठान महाविद्यालयातील ग्रंथालयाच्या दैनंदिन कामकाजाचे व्यवस्थापन आढावा.	2500/-	1000/-	3500/-
	3.Miss Ashwini Bajirao Kachare	श्रीराम कृषी महाविद्यालय पाणीव येथील नियतकालिकांच्या व्यवस्थापनाचा अभ्यास.	2500/-	1000/-	3500/-
	4.Miss.Kate Shivani Diliprao	फलटण येथील मुधोजी महाविद्यालय ग्रंथालयातील वाचकांच्या माहिती साक्षरतेचा अभ्यास.	2500/-	1000/-	3500/-
	5.Miss.Pawar Pallavi Jayram	lu 2020 - 2021 maQalla Ykk;czjh gsjkWYM ;k fu;rdkfydkps vk'k; fo'ys"K.k	2500/-	1000/-	3500/-
2.Mr.A.S.Atole	1.Miss.Solankar Monali Bharat	शारदाबाई पवार महिला महाविद्यालय शारदा नगर येथील ग्रंथालयीन आपती व्यवस्थापनाचा अभ्यास.	2500/-	1000/-	3500/-
	2.Miss.Deokate Aishwarya Sanjay	College of Agriculture and Allied sciences Baramati या ग्रंथालयातील शेतकऱ्यांसाठी दिल्या जाणाऱ्या विविध सेवांचा अभ्यास.	2500/-	1000/-	3500/-
	3.Miss.Kendale Geetanjali Balsheb	ivadyaa p'itYBana mahaivadyaalayaatlla ivadyaagaa va p'aèyaapk yaaMcyaa Aèyayana va Aèyaapna kayaaZlga'Mqaalayaacal BaUimaka%ek AByaasa	2500/-	1000/-	3500/-
	4.Miss.Bhise Ashwini Santosh	dGac ;sFkhy QMrjs ukWyst fIVh egkfolky;hu xzaFkky;kpk xzaFklaxzg fosdklkpk vH;kl	2500/-	1000/-	3500/-
Total			22500/-	9000/-	31500/-

[Signature]
Coordinator
ARC

[Signature]
Chairman
Research committee

[Signature]
Principal





To,

The Head,

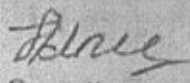
Department of Economics

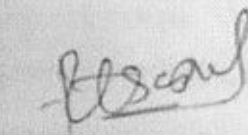
Subject: Sanction of student research proposals for 2022-23

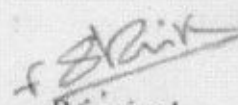
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator


Chairman


Principal

Anekant Education Society's
Tuljaram Chaturband College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)

Department of Economics

Sr. No.	Name of guide	Name of students	Title of the project	Hiring Services	Contingency	Fieldwork and travel	Chemicals and Glassware	Total
1.	Dr. Patil S.K.	१. रोहित मुरुमकर २. झोडगे रोहन	बारामती नगरपरिषदेने पुरविलेल्या सामाजिक सोयी सुविधाचे संख्यात्मक व गुणात्मक विश्लेषण २०१५-१६ ते २०२०-२१	1000	2000	2000	NA	5000
2.	Dr. Kamble C.P.	१. गोजारी मयूरवीर नंदराम २. जगताप प्रदिप दत्तात्रय	कोरडवाहू क्षेत्रातील जलसिंचन सुविधाचा चिकित्सक अभ्यास, विशेष संदर्भ बारामती तालुका	1000	2000	2000	NA	5000
3.	Dr. Dhumal R.N.	१. पांढरे स्वामी गजय २. पाटील क्षेत्र हरिधर	शिवप्रसाद दूध संकलन केंद्राचा चिकित्सक अभ्यास विशेष संदर्भ तहिंगाव ता. माळशिरस जिल्हा सोलापूर	1000	2000	2000	NA	5000
4.	Mr. Kulkarni K.V.	१. प्रदया गायकवाड २. तुति गायकवाड	गढिता स्वसहायता वक्तृ गुटाचा आर्थिक स्थितीचा चिकित्सक अभ्यास विशेष संदर्भ बारामती तालुका	1000	2000	2000	NA	5000
5.	Dr. Kamble C.P.	१. दिव्या भंडारकर २. प्रतीक्षा काले ३. शुभम गायकवाड	प्रधानमंत्री आवास योजना मुठ. अधिक आणि सामाजिक विरलेल्या विशेष संदर्भ बारामती तालुका २०१५-१६ ते २०२१-२२	1000	2000	2000	NA	5000
Total								25000

[Signature]
Chairman

[Signature]
Chairman
Research Committee

[Signature]
Principal

To,

The Head,

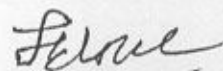
Department of Mathematics

Subject: Sanction of student research proposals for 2022-23

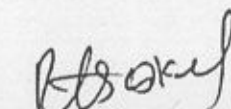
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)

(2022-23)

Department of Mathematics

S r . N o .	Name of Guide	Name of Students	Title of the Project	Hiring Service s	Conti ngenc y	Field Wor k and Trav el	Total
1	Prof. Jadhav S. S	1. MarkaleSharwariDat tatraay 2. NalawadeVishvajeet Nanasaheb 3. SapkalSanyogitaDat tatraya	New method of Cryptography using permutation cycle and various	1000/-	2000/-	500/-	3500/-
2	Prof. Jadhav S. S	1. GhonganeVaibhav Rajendra 2. SapkalSanyogitaDat tatraya 3. BhapkarPratimaBalu	New methodology for Cryptography by using Number Theory and Graph Theory	1000/-	2000/-	500/-	3500/-
			Total	2000	4000	1000	7000/-

[Signature]

Coordinator
ARC



[Signature]

Chairman

Research Committee

[Signature]
Principal



To,
The Head,

Department of computer science

Subject: Sanction of student research proposals for 2022-23

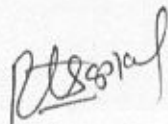
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee

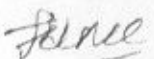

Principal



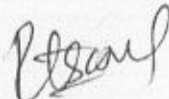
Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)

Department of Computer Science

Sr. no.	Name of guide	Name of students	Title of the project	Contingency	Field work and travel	Total
1	Prof. Jadhav L. S	Mahamuni Vaishnavi R. Bhosale Preeti N.	Mail Service	2500	2500	5000/-
2	Prof. Jadhav L. S	Shendage Supriya H. Rutuja Krishna H.	Placement Management System	2500	2500	5000/-
3	Prof. Chemte S.P.	Yadav Aditya Pawar Rushikesh	Scholarship Fee Management System	2500	2500	5000/-
4	Prof. Chemte S.P.	Sadakale Harshad R. Jadhav Sneha L. Dhamale Tanmay M.	Time-Table Management System	2500	2500	5000
5	Prof. Chemte S.P.	Kharade Rutuja D., Karade Neha S., Chopade Abhijit H.	Exam Seating Arrangement System	2500	2500	5000/-
			Total	12500/	12500/	25000/


Coordinator

ARC


Chairman

Research Committee


Principal



To,

The Head,

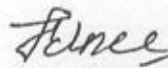
Department of Food Tech. & Research

Subject: Sanction of student research proposals for 2022-23

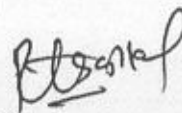
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

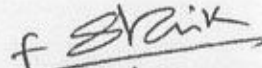
The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)
Department of Food Tech. & Research

S. No.	Name of guide	Name of student	Name of project	Hiring services	Contingency	Field work & travel	Chemicals, glasswares, Raw Mateial, machine & Utensils	Total Rs.
1.	Dr. wajid Ali Khan	1. Khateeb Farhanoorussaba Afzal Farooque 2. Pawale Dhanshri Sanjay 3. Shaikh Saniya Mehabub	Effect of additives on texture and shelf life of Indian flat bread (Chapatti).	2000	2000	3000	38,000	45,000
2.	Dr. Wazid Ali Khan	1. Vairagal Dnyaneshwar Baban 2. Ambodkar Ashish Anandlal 3. Zagade Rutik Sachin 4. Jagtap Tushar Bhagwan 5. Khomane Snehal Pandurang 6. Dixit Vijaya Achyut	Low-fat mozzarella cheese	1000	2000	2000	20000	25,000
3.	Dr. Wazid Ali Khan	1.Dole Snehal Jalindar 2.Darandale Tejsawini Bhausaheb 3.Sonawane Shreya Gorakh 4.Patil Sanjyot Suresh	Development of Edible Cutlery by Using Millets	1000	2000	2000	20000	25,000
	Total			4000	6000	7000	78000	95,000

[Signature]
ARC

[Signature]
Chairman

[Signature]
Principal

Research Committee

To,

The Head,

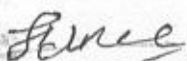
Department of Statistics

Subject: Sanction of student research proposals for 2022-23

Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal



Anekant Education Society's
TuljaramChaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)

Department of Statistics

Sr. no.	Name of guide	Name of students	Title of the project	Hiring Services	Contingency	Fieldwork and travel	Chemicals and glassware	Total
1	V.C.Kakade N.A.Jagtap	1)Kale Rupali 2)Yadav Ankita 3)Tate Prapti	Study of Sentiments of students towards Education.	1000	3000	2000	0	6000
2	K.C.Kale	1)Banda Kiran 2)Khabiya Pooja 3)ChoudharPayal	Statistical Analysis Of Gold Price	0	3000	2000	0	5000
3	P.S.zanjurne	1)Jadhav Nikita 2)Kangude Mayuri 3)Nagare Bharti	Prediction of Anaemia in Women Reproductive Age	1000	4000	2000	0	7000
4	P.N.Rakte	1)Chougule Sadhana 2)Kalange Dipti 3)Raskar Shruti	Analysis of Self-Esteem in Social Psychology and its practical use	0	3000	2000	0	5000
5	V.V. Patil	1)Thombare Pratibha 2)Shah Divya 3)Doshi Astha	Effects of short-term migration on Indian economy	0	3000	2000	0	5000



6	A.G.Deshmukh	1)KshirsagarRutuja 2)PandhareRushikesh 3)NimbalkarDnanynda	Tracer study of ITI and MCVC graduates	1000	3000	3000	0	7000
7	C.P.Swami	1)GawadeMonali 2)Dhame Pooja 3)Komkar Vaishnavi	Modelling And Predicting Foreign Exchange Rates	1000	3000	2000	0	6000
8	N.A.Jagtap	1)KoradeRutuja 2)Mahajan Sakshi 3)Nigade Sakshi	Modelling And Predicting Foreign Exchange Rates	0	3000	2000	0	5000
9	S.B.Choudhar	1)Kambale Prajakta 2)Ghadage Mayuri 3)Godase Mayuri	An Analysis Of Capital Growth And Economic Growth in India	1000	3000	0	0	4000
10	P.S.zanjurne A.G.Deshmukh	1)ChanganDhanashri 2)BhutkarYukta 3)Pawar Karan	Statistical Analysis of Malaria Among The Children and Adults in Baramati city.	1000	4000	2000	0	7000
11	S.B.Choudhar	1)Bandagar Dipti 2)Deshmukh Pournima 3)Shah Aishwarya	To Analyze The Fluctuation of INR Against Currency & Study the factors Affecting It.	1000	3000	0	0	4000
12	N.K.Dhane	1)Jadhav Vaishnavi 2)Jadhav Akanksha 3)Pawar Vishal	Analytical Study of Mutual Funds	1000	3000	0	0	4000



13	V.A. Shinde	1) Solankar Vaishnavi 2) Salunkhe Ketki 3) Bondre Pratiksha	Effectiveness of social media as marketing tool	1000	4000	3000	0	8000
14	P.M. Mohite	1) Patil Shreya 2) Shedbale Mokshada 3) Ranaware Sanskruti	Statistical analysis of prenatal care using machine learning techniques.	0	5000	4000	0	9000
15	N.A. Jagtap	1) Gujar Hrishikesh 2) Kshirsagar Tushar 3) Bhoite Nikhil	Predictive and Prescriptive Analytics for Inventory Management in Health Care	0	5000	3000	0	8000
16	S.D. Wadkar	1) Thorat Vivek 2) Chakane Akash 3) Hake Sandip	Analysis of effect of different fertilizer on Onion Crop	1000	4000	3000	2000	10000
Total				10000	56000	32000	2000	100000

[Signature]
Coordinator
ARC



[Signature]
Chairman
Research Committee

[Signature]
Principal

①
(2022 -
2023)

To,

The Head,

Department of Microbiology

Subject: Sanction of student research proposals for 2022-23

Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.

[Signature]
Co-ordinator

ARC

[Signature]
Chairman

Research Committee

[Signature]
Principal

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)
Department of Microbiology

no.	Name of students	Title of the project	Hiring Services	Contingency	Fieldwork and travel	Chemicals and glassware	Total
1	Dr S. T. Pawar Mr. Atole Tushar Dattatray Miss. Chavan Pooja Phattasing Miss. Dagade Kalyani Anil Mr. Murumakar Shashank	Extracellular Bacterial Synthesis of ZnO nanoparticles and its antibacterial activity against human pathogens.	4000	1000	1000	2000	8000
2	Dr S. T. Pawar Miss. Jadhav Ankita Mukund Miss. Chopade Sudiksha Arjun Miss. Bhunje Rutuja Rajendra Miss. Bhosale Priyanka Madhukar	MICROBIAL SYNTHESIS OF ZINC OXIDE NANOPARTICLES AND ITS ANTIMICROBIAL ACTIVITY.	4000	2000	1000	2000	9000
3	Dr M. H. Gajbhiye Miss. Kokare Supriya Sakharam Mr. Awate Sagar Atmaram Mr. Terdale Siddharth Krishnappa Mr. Gunaware Kunal Bharat	CHARACTERIZATION OF OLIVIBACTER OLEIDERADANS & AGROBACTERIUM SP. AND THEIR POTENTIAL IN THE DECOMPOSITION OF GRAIN	4000	1500	500	2000	8000

4	Dr. M. R. Gajbhiye	Miss. Jadhav Sujan Kalidas Miss. Khomane Rushika Yuvraj Miss. Ghadage Triveni Jayshing Miss. Mergal Reshma Chimaji	STUBBLE WASTE Isolation and Characterization of Keratinase Producing Bacteria and their Application in Feather Waste Management	4000	2500	500	2000	5000
5	Dr. Y. R. Mulay	Mr. Virkar Sumit Appa. Mr. Zagade Rohit Balu. Mr. Bhosale Shubham Ganesh. Mr. Sawant Akshay Sudam.	Amylase production optimization by using Plackette and Burman esign from Aureobasidium pullulans.	4000	2000	1000	2000	9000
6	Dr. Y. R. Mulay	Miss. Londhe Snehal Ganesh Miss. Kavathe Arpita Anil Miss. Pachore Aishwarya Ashok Miss. Alman Adiksha Ajit	STATISTICAL OPTIMIZATION OF PULLULAN PRODUCTION BY AUEROBASIDIUM PULLULANS USING PLACKETT-BURMAN METHOD RESPONSE SURFACE METHOD.	4000	1500	500	1000	7000
7	Mr D. V. Doshi	Miss. THOPATE CHARUSHILA KAKASO Miss. KUMAWAT POONAM PHULCHAND	Study of Incidence of E.coli in Poultry Feeds and increase of life of live stock	4000	1000	1000	1000	7000

	Mr. D. V. Doshi	Mr. Mane Viraj Mahesh	study of Incidence of Salmonella in Poultry	4000	1000	1000	1000	7000
			and its impact on life of live					
		Vijay	Studies on Enzyme and its application.	4000	1500	500	1000	7000
		Miss. Saundatte Divya Kuber						
		Miss. Patil Akshata Kuber						
		Miss. Chougule Ankita Narasgonda.						
10	Mrs P. C. Bhosale	Miss. Sonali Santosh Dhapate	Biosynthesis of silver and copper oxide nanoparticle from otic bacteria and its antimicrobial activity.	4000	1500	1000	1500	8000
		Miss. Shweta Kashinath Hirave						
		Miss. Kumodini Mahadev Bondre						
		Miss. Dipali Pandurang Popalbhat						
11	Miss P. D. Markale	Miss. Kate Revati Shailesh	Synthesis of TiO_2 nanoparticles by bacteria isolated from various soil mple and determination of their	4000	1500	500	1000	7000
		Miss. Kate Srushti Balasaheb						

Gaikwad	Mr. Shinde Sanket Rajendra Mr. Chavan Abhishek Dattatray Miss. Dhembare Shivanjali Hanumant	surfactant for microbial enhanced oil recovery (MEOR)	4000	1000	500	1000	7000
Miss P. N. Kamble	Miss. Akanksha Sanjay Kumbhoje. Miss. Akshata Balaso Patil. Miss. Nisha Narsu Shirguppe. Miss. Soundarya Sanjay Pallake.	Isolation of aminocyclopropane- 1- carboxylic acid (ACC)- deaminase producing bacteria & screening for multifarious plant growth promoting traits alleviates salinity stress rice (Oryza sativa) plants.	4000	1500	500	1000	7000
Total			52000	19500	10000	18500	100000

Arise
Co-Ordinator

Arise
Chairman

Arise
Principal

ARC

Research Committee

To,

The Head,

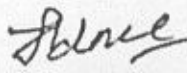
Department of Marathi

Subject: Sanction of student research proposals for 2022-23

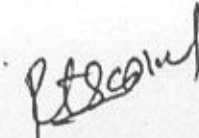
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

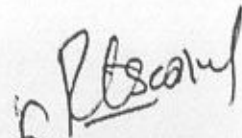
The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal



Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science, Commerce, Baramati
(Autonomous)
PROPOSAL FOR STUDENT RESEARCH PROJECT
(2022-2023)

Department of Marathi

Sr no.	Name of Guide	Name of Students	Title of Projects	Hiring Services	Contingency	Field Work & Travel	Chemicals & Glassware	Total
1	Dr. Seema Naik-Gosavi	Bhosale Vishal Sarjerao	माढा तालुक्यातील वहुरूपी : एक भाषिक अभ्यास	1000	1000	4000	-	6000
2	Dr. Seema Naik-Gosavi	Ugale Chhaya Ankush	बारामतीतील हिरकणींच्या कवितांचा अभ्यास	1000	1000	3000	-	5000
3	Dr. Mukta Ambhere	Landge Bibiaayesha Gulab	वात्सल्य काव्यासंग्रहातील प्रातिनिधीक स्त्री प्रतिमा	1000	1000	3000	-	5000
4	Dr. Mukta Ambhere	Taware Shiraj Ravidra	बारामतीतील कविवर्य मोरोपंतांचे पंडिती काव्यातील स्थान	1000	1000	3000	-	5000
5	Dr. Sunil Khamgal	Shinde Gaurav Sharad	संत तुकाराम महाराजांच्या निवडक अभंगातील प्रागतिकता	1000	1000	3000	-	5000
6	Prof. S.B. Daphalapurkar	Vaibhav Sharad Gawali	'संत एकनाथ-एक लोकशिक्षक'	1000	1000	3000	-	5000
7	Dr. Seema Naik-Gosavi	Sushama Sangai (Ph.d. Student)	डॉ. संगीता बर्वे यांच्या 'पियुची वही' बालकविता संग्रहाचा अभ्यास	-	-	-	-	-
Total								31000/-

[Signature]
 Co-ordinator
 ARC

[Signature]
 Chairman
 Research Committee

[Signature]
 Principal

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
Proposal for Student Research Project
(2022-23)

Department of Psychology

Sr. no.	Name of guide	Name of student	Title of the project	Contin- gency	Field work and travel	Total
1.	Dr. Shinde V. B.	Ms. Suryavanshi Sayali Santosh & Miss. Salunkhe Vishakha Babasaheb	Personality, Emotional Intelligence & Achievement Motivation in Athletes.	2000	3000	5000
2.	Dr. Dhame G. M.	Mr. Hivarkar Premraj Atmaram & Ms. Durge Kirti Vishwas	Perception of Parental Expectation, Stress, alienation and suicidal ideation in college students.	3000	2500	5500
		Ms. Vaidya Jui Mukund and Mrs. Minakshi Gajarmal	Social and Emotional Maturity as Predictor of the Resilience in Adolescents.	3000	2000	5000
		Ms. Shinde Snehal Balu & Ms. Londhe Karuna Avinash	Ecological Attitude, Environmental Awareness and Perception of Climate Change among Farmers.	2000	2500	4500
3.	Prof. Awate J. N.	Miss. Londhe Utkarsha Balu and Ms. Vaishali Ravindra More	Sexual Anxiety, Mental Health and Psychological Well-Being in PCOD women's.	2500	2500	5000
			Total	12500	12500	25000


PG
Coordinator


Chairman
Departmental IQAC


Head
Department of Psychology





CENTRE FOR INNOVATIVE AND APPLIED RESEARCH (CIAR)

Anekant Education Society's
Tuljaram Chaturchand College, (Autonomous) Baramati- 413102

Tel: (02112) 222728, Fax: (02112) 222728 Cell: 9822878226
Email- ciar.tccollege@gmail.com, shpawar1946@gmail.com

‘SIRO’ Recognition & Registration by DSIR, New Delhi, Government of India. F. No 11/806/2019-TU-V 23 July 2019

CIAR (2022-23)

Sr. No	Name of guide	Name of students	Title of the project	Hiring Services Rs.	Contingency Rs.	Field work and travel Rs.	Chemicals and glassware Rs.	Total Rs.
1	Dr.V.S. Mohite	1. Bhambure Sayali Santosh 2. Khandagale Akshata Satish 3. Gore Varsha Santosh	Synthesis & characterization of SF bionano-composites for solar thermal conversion	4,000	3,000	2,000	6,000	15,000
2	Dr.V.S. Mohite	1. Gire Rohini Vitthal 2. Salunkhe Dipali Jagannath	Synthesis & testing of silk fibrion bionano-composites for piezoelectric conversion	3,000	2,500	2,000	2,500	10,000
3	Prof.B.R. Torane	1. Mr.Shinde Chaitanya Dilip 2. Mr.Shendkar Prathamesh Jalindar 3. Ms.Sonawane Prashali Pramod	Formation of silk fibroin Gadolinium nano composite & their sensing application	4,000	3,000	2,000	6,000	15,000
4	Prof.B.R. Torane	4. Ms.Puri Nayan Balasaheb 5. Ms.Bhosale Pooja Sanjay	Formation of bioorganic material with Tm ion dopping photonic application	3,000	2,500	2,000	2,500	10,000
5	Dr.A.S. Kothawale	1. Kiran Kisan Khaire 2. Siddhi Jitendra Landge 3. Aarti Ankush Ekatpure 4. Aditya Shankar	Critical Study of Silk Fibroin Based Supercapacitor for optimal storage of electrical energy	4,000	3,000	2,000	6,000	15,000

6	Prof.P.J. Bankar	1. Ligade Komal Sambhaji 2. Gaikwad Tanuja Balaso 3. Shinde Nisha Bharat 4. Shaikh Faisal Siddik	Effect of zinc oxide extracts on qualitative & quantitative analysis of primary & secondary metabolites of <i>Artemia pallens</i> L. (Davana)	4,000	3,000	2,000	6,000	15,000
7	Prof.K.S. More	1. Krantisen Dinkar More 2. Girme Pradnya Santosh 3. Deshmukh Madhura Mohanrao 4. Aasif Umar Shaikh	Study on formulation of cocoons with TiO ₂ NP & their characterization	4,000	3,000	2,000	6,000	15,000
8.	Prof.S.S. Jadhav	1. Markale Sharvari Dattatray 2. Nalawade Vishvajeet Nanasaheb 3. Ghongare Vaibhav Rajendra 4. Bhapkar Pratima Balu 5. Sapkal Sanyogita Dattatraya	Mathematical modeling for disease (Covid-19)	-	2,000	3,000	-	5,000
9.	Ms.N.D. Zagade	1. Mr.Tarkunde Ranjit 2. Ms.Tamboli Aisha 3. Mr.Lokhande Sagar 4. Ms.Bibe Chaitali	Use of Geospatial Technology Suitables Sites for Mulberry Cultivation in Maharashtra, India	-	2,000	3,000	-	5,000
10.	Dr.K.B. Mante	1. Rohit Khulape 2. Siddharth Waghmare	Ideal Policy of Silk Industry	-	2,000	3,000	-	5,000
Total				26000/	26000/	23000/	35000/	1,10,000
				Total Rs. One Lakh Ten Thousand Only				



To,

The Head,

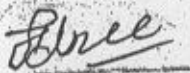
Department of Chemistry

Subject: Sanction of student research proposals for 2022-23

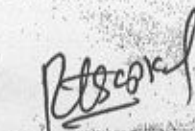
Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)
Department of Organic Chemistry

Sr.no.	Name of guide	Name of students	Title of the project	Hiring Services	Contingency	Field work and travel	Chemicals and glassware	Total
1.	Dr. Bhondwe R.S. <i>Bhondwe</i>	Mr. Kiran Zinzurte Mr. Koustubh Jagtap Mr. Kapre Ranjeet	Green synthesis of heterocyclic compounds, characterization and theoretical study.	5000	1000	00	2000	8000
2.	Dr. Bhondwe R. S. <i>Bhondwe</i>	Mr. Narale Sachin Mr. Ketan Pawar Mr. Zargad Vaibhav Mr. Aman Shaikh	One pot multicomponent synthesis and characterization of heterocyclic compounds	5000	1000	00	2500	8500
3.	Dr. Bhondwe R.S. <i>Bhondwe</i>	Ms. Sonawane Sampada S. Ms. Lonkar Dipti D. Ms. Gandhi Parin B. Ms. Utale Tejasvini	Synthesis, Characterization and biological activity of N Heterocyclic compounds.	4000	1000	00	2000	7000
4.	Dr. Dige N. C. <i>Dige</i>	1. Mulani Arshad S. 2. Pawar Kedar G.	Synthesis and characterization of	4000	2000	00	1500	7500

		3. Navale Saurabh S.	Heterogeneous catalyst and their application in organic synthesis.					
5.	Dr. Dige N. C. <i>Dr. Dige</i>	1. Jagtap Chaitrali A. 2. Pandhari Pallavi P. 3. KhatavkarPratiksha R. 4. Kale varsha k.	Synthesis and Characterization of ionic liquids and their application in heterocycle synthesis	4000	2000	00	1000	7000
6.	Dr. Dige N. C. <i>Dr. Dige</i>	1. Shinde Rahul M. 2. Kale Ganesh S. 3. Satav Satyam Sandip	Synthesis and Characterization of heterocyclic compound and their biological activity	5000	2000	00	1500	8500
7.	Mrs. Deokate S. A <i>Deokate</i>	1. Mr. Shinde Pratik K 2. Miss. Walke Sanjivani K. 3. Miss Atole Komal T.	Simple and green synthesis of heterocycles using DMSO /I ₂ and their characterization	5000	1000	00	1000	7000
8.	Mrs. Deokate S. A <i>Deokate</i>	1. Miss. Kate Pranali V. 2. Miss Fugare Nisha G. 3. Mr. Pawar Purushottam Tanaji	Synthesis, Characterization and antimicrobial activity of bivalent heterocyclic compound	5000	2000	00	1000	8000
9.	Mrs. Deokate S. A <i>Deokate</i>	1. Mr. Ligade Rahul Balaso 2. Miss Deshmane Vaishavi Vivek 3. Mr. Kanade Nikhil Vilas	Synthesis, characterization and applications of transition metal nanoparticles	5000	2000	00	1000	8000

10.	Miss. Shaikh F. H. <i>Shaikh</i>	1. Metkare A. D. 2. Dubal V. A. 3. Sawalwade A. A.	Synthesis of thiazolyl Schiff bases and study of their transition metal complexes.	5000	1000	00	1000	7000
11.	Miss. Shaikh E. H. <i>Shaikh</i>	1. Ballal D. D. 2. Awale R. N. 3. Sodmise M. B.	Synthesis of β -carboline and their metal complexes	5000	1000	00	1000	7000
12.	Miss. Shaikh F. H. <i>Shaikh</i>	1. Chavan H. 2. Pise A. A. 3. Kashid S. N.	Synthesis of tryptophane based Schiff bases and their metal complex formation	6000	1000	00	1000	8000
13.	Dr. Pakhare D. S. <i>Parkare</i>	1. Sayyad N. G. 2. Masal G. V. 3. Arkas M. N. 4. Sangwar P. S.	Synthesis and antimicrobial and anticancer evaluation of thiazolyl and pyrazyl β -carboline and their metal complexes	6000	500	00	2000	8500
Total				64000	17500	0	18500	1,00,000

Shinde
Coordinator
ARC

Parkare
Chairman
Research committee

f. Shaikh
Principal

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)

Department of Analytical Chemistry

Sr. no.	Name of guide	Name of students	Title of the project	Hiring Services	Contingency	Fieldwork and travel	Chemicals and glassware	Total
1	Prof. Bhunje G.S. <i>[Signature]</i> 15/10/2022	1.Ms. Hulage Sayali S. 2.Ms.Sirsat Tejasvi B. 3.Ms. Bhosale Aditi G.	Determination of ca in foods by using AAS and Titrimetric method	5000	2000	00	1000	8000
2	Prof. Bhunje G.S. <i>[Signature]</i> 15/10/2022	1.Ms.Rupanawar Neha G. 2.Ms.Gaikwad Sonali B. 3.Ms.Latkar Akshada D. 4.Ms.Lokhande Chaitrali H.	Method Validation of pharmaceutical drug by using UV Visible spectroscopic methods	4000	2000	00	1000	7000
3	Prof. Bhunje G.S. <i>[Signature]</i> 15/10/2022	1.Mr.Kadam Pravin M. 2.Mr.Gaikwad Punit M. 3.Mr.Kshirsagar Suraj S.	Phytochemical screening of medicinal plants by using different analytical techniques	4000	2000	00	1000	7000
4	Prof.Surnavar K.H. <i>[Signature]</i> 15/10/22	1. Mr. Jagtap Aniket Balaso 2. Mr. More Akash Navnath 3. Mr.Markad Akshay Mahadev 4.Atole Vishal Vijaykumar	Method development & assay validation of Niacin drug by using UV visible spectroscopic methods in different pharmaceutical products.	4000	2000	00	1000	7000

5	Prof. Surnavar K.H. <i>15/10/22</i>	1. Mr. Gadadare Rohit Shamrao 2. Mr. Mandhare Akash Anil 3. Mr. Kolekar Kishor Ramesh	Anticancer property of Bryophyllum pinnata oken leaf on human cervical cancer cells	5000	2000	1000	1000	9000
6	Prof. Surnavar K.H. <i>15/10/22</i>	1. Ms. Gurav Gauri Devidas 2. Ms. Chavan Monali Prakash 3. Ms. Jagtap Bhagyashri Randas	Biosynthesis of silver nanoparticles using trachyspermum ammi & evaluation of their antibacterial activities	5000	2000	00	1000	8000
7	Prof. Surnavar K.H. <i>15/10/22</i>	1. Ms. Dhumal Shruti Suryakant 2. Ms. Tamboli Muskan Faruk 3. Ms. Mulik Shraddha Somnath	Phytochemical Analysis of Some medicinal plants & its antioxidant activity	3000	2000	1000	2000	8000
8	Prof. Bhong A.N. <i>15/10/22</i>	1. Pore Sagar Pandurang 2. Phadatare Kuldip Shivaji 3. Phate Rushikesh Lalaso	Synthesis of Imidazole and its derivatives with characterization	5000	2000	1000	1000	9000
9	Prof. Bhong A.N. <i>15/10/22</i>	1. Ghadge Pranita Dattatray 2. Kharbade Neha Vishal 3. Salunke Akshada Suresh	Determination of vitamin C (Ascorbic Acid) content in various fruits by UV - spectrophotometry and Titration Method	3000	2000	1000	2000	8000
10.	Prof. Bhong A.N.	1. Thorat pratiksha Rajendra	Formulation and analysis of Diclofenac Sodium	3000	2000	1000	2000	8000

	<i>Anshu</i> 15/10/22	2.Tekawade Bhagyashree Sampat 3.Londhe Niraj Subhash	effervescence tablet by using UV spectrophotometry, IR spectroscopy, FTIR					
11	Dr.Kale S.R.	1.Ms.Jadhav Akansha S. 2. Ms.Panasakar Mayuri R. 3 Ms.Pharande Prachi K.	Synthesis of dyes and pigment of phthalocynine ligand with various metals	5000	1500	1000	2500	10000
12	<i>Prof. Torane</i> Prof. Torane B. R.	1.Mr.Chougule Akshay P. 2.Mr.Patil Sammed R. 3.Mr.Patil Abhinandan N. 4. Birnale Sanket Suresh 5. .Bele Rohan Mahaveer	Preparation of different metal complexes by using pyridine and halogen ligand and their characterization and applications	5000	4000	00	2500	12000 11500
Total				51000	25000	6000	18000	1,00000/ 1,00500

Alnee
Coordinator
ARC

Itscory
Chairman
Research Committee

Principal

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)

Department of Inorganic Chemistry

Sr. no.	Name of guide	Name of students	Title of the project	Hiring Services	Contingency	Field work and travel	Chemicals and glassware	Total
1	Prof. Gadadare R. T. <i>Gadadare</i>	1.Mr. Kharat Atul S. 2.Mr..Rakateajit S. 3. Pawar Sakshi S. 4. Pawar Shrutika S.	Synthesis of metal oxide nanoparticles & its characterization	7000	1000	500	1000	9500
2	Prof. Gadadare R..T. <i>Gadadare</i>	1.Miss.Nanavare Mayuri 2.Miss.Jawale Rupali J. 3. Ghadge Nikita p. 4. Ghanwat Amruta M.	Synthesis and characterization of metal nanoparticles using aloe vera extract	7000	1000	500	1000	9500
3	Prof.Nale S. P. <i>Nale</i>	1. Miss. Shinde vaishnavi C. 2. Miss. Tembre Monali V. 3. Mr. Atole Sahil D.	Phytochemical studies and antioxidant activity of ashwagandha	4000	1000	1000	2000	8000
4	Prof.Nale S. P. <i>Nale</i>	1. Miss. Gole Shivanjali S. 2. Miss. Shaikh Shayara R. 3. Mr. Kokare Shani A.	Synthesis and Characterization of Metal complexes with 2,2' bipyridyl & 1,10 phenanthroline	4000	1000	1000	1000	7000

5	Prof. Nale S. P <i>[Signature]</i>	1. Miss. Pujari Vaishnavi D. 2. Miss. Somvanshi Rutika R. 3. Miss. Pisal Priti B.	Green synthesis of lanthanum oxide nanoparticles using Moringa oleifera leaves extract and its biological activity	4000	1000	1000	1000	7000
6	Prof. Pirale G.D. <i>[Signature]</i>	1. Mr. Nanaware Anup J. 2. Mr. Dhawade Rahul M. 3. Atole Nikhil N.	Synthesis, characterization and antimicrobial properties of bimetallic heteronuclear complexes	5000	1000	00	1000	7000
7	Prof. Pirale G.D. <i>[Signature]</i>	1. Shete Sonal K. 2. Shelar Sonali R. Hake Ankita M.	Synthesis and Characterisation of mixed ligands complexes	4000	2000	00	1000	7000
8	Prof. Pirale G.D. <i>[Signature]</i>	1. Miss. Kale Damini D. 2. Kharat Smita S. 3. Kadam Shefali M	Synthesis, characterization of oxide nanoparticles and its antimicrobial activity	4000	1000	1000	1000	7000
9	Prof. Gandhi R. R. <i>[Signature]</i>	1. Miss. Jadhav Monali V. 2. Miss. Jadhav Shrutika D. 3. Miss. Ingawale Shital K.	Synthesis and characterization of metal complex & their antimicrobial study	5000	2000	00	1000	8000
10	Prof. Torane B. R. <i>[Signature]</i>	1. Mr. Ghatge Akhil P. 2. Miss. Patil Monali B. 3. Miss. Nimbalkar Mohini S.	Synthesis of metal complex by using 2 aminopyridine, characterization and application	5000	2000	00	1000	8000
11	Prof. Dudhe M.A. <i>[Signature]</i>	1. Mr. Gawade Dinesh P. 2. Miss. Sawant Kalyani K. 3. Miss. Shinde Snehal	Synthesis and characterization of metal carbonate nanoparticle and biocompatibility	4000	2000	1000	1000	8000

		B.						
12	Dr. S. R. Kale	1. Ms. Arjun Bhagyashree. D. 2. Ms. PatnasSaloni A. 3 Ms. More Prerana J. 4.Bhoite Komal N.	Synthesis of Silver nanoparticles and study of their interaction with β -carboline	8500	500	00	5000	14000
Total6150015500 6000 17000								1,00,000

Prince
Coordinator
ARC

Prasad
Chairman
Research Committee

Principal

To,

The Head,

Department of Physics

Subject: Sanction of student research proposals for 2022-23

Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.



Selnee
Co-ordinator

ARC

Pt. S. S. S.
Chairman

Research Committee

f. S. S. S.
Principal

**Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
(Autonomous)
(2022-23)**

**Department of Physics
Student Research Proposals**

Sr.no.	Name of guide	Name of students	Title of the project	Hiring Services	Field work and travel	Chemicals and glassware	Contingency	Total Rs
1	Prof. Dr. P.C. Pingale	1 Dhakane Prajcta K. 2.Kambale Vishakha V.	Study of optical and structural properties of SnO ₂ thin films grown on glass substrate by chemical bath deposition technique	4000	1000	4000	1000	10,000
2	Prof. Dr. A.E. Kalange	1 Tanpure Pranita S. 2 Sorate Aditya S. 3 Jagtap Prajwal L.	Thin film deposition control for spray pyrolysis system using microcontroller	1000	1000	6000	2000	10,000
3	Dr. R.T. Sapkal	1 Gaikawad Pratiksha N. 2 Gaikawad Vishakha S.	W doped Bi ₂ O ₃ thin films by spray pyrolysis	3000	1000	2000	4000	10,000
4	Dr. S. B. Kulkarni	1 Salunke Divya S. 2 Gavade Prajcta N. 3 Garud Khushalchand S.	Nanostructured Metal (Mn, Ni) oxide based thin film electrodes for supercapacitor application by chemical route	3000	1000	4000	2000	10,000
5	Mr. S. B. Kakade	1 Bhiste Shivani D. 2 Kadam Arti S.	Synthesis and characterization of Bismuth Ferrites (BiFeO ₃) by Sol-Gel	2000	2000	5000	1000	10,000
		1 Mandhare Pratik L. 2 Kumbhar Krushna S.	Synthesis and characterization of metal oxide thin films by electron beam deposition					



			method					
6	Mrs. S.E. Bhosale	1 Gaikawad Anjali D. 2 Dhame Ashwini R.	Synthesis and characterization of CdS by CBD method	4000	2000	3000	1000	10,000
7	Dr. S. J. Rajoba	1 Nayak Sonali 2 Ingale Mansi 3 Vedpathak Gauri	Synthesis and Characterization of LiFePO_4 and $\text{Li}_4\text{Ti}_5\text{O}_{12}$ nano particles for energy storage applications	4000	3000	2000	1000	10,000
8	Dr. G.S. Lonkar	1 Dhere Rushikesh D. 2 Dagade Gaurav R.	Design and installation net-metered rooftop solar photovoltaic system	4000	2000	3000	1000	10,000
9	Mr. S.S. Mhaske	1 Muke Pravin A. 2 Nalage Pushpak T.	Microcontroller (Arduino) based data acquisition system for magnetic field.	4000	1000	5000	-	10,000
		1 Katkar Kavita N. 2 Wanave Madhuri R.	Arduino based firefighting Robot				-	
10	Prof. Dr. A.E. Kalange Dr. G.S. Lonkar	1 Kharade Kajal P.	Synthesis and deposition of CZTS thin films for solar cell application using spin coating technique	4000	2000	3000	1000	10,000
Total				33000	16000	37000	14000	100000

Shilpa
Coordinator
ARC

Uday
Chairman
Research Committee



Anekant Education Society's

Tuljaram Chaturchand College of Art, Science and Commerce, Baramati

(Autonomous)

Department of Sociology

Student Research Project Budget

Academic Year 2022-23

Sr.No	Name of Guid	Name of Students	Title of Project	Hiring Services	Contingency	Field Work & Travel	Chemicals & glassware	Total
1.	Vinayak Lashkar	Omkar Kudale	स्त्रियांचे सामाजिक स्थान : सध्यस्थिती आणि आव्हाने	1000	3000	1000	-	5000
2.	Nitin Chavan	Aishwarya Hivarkar	औद्योगिकीकरणाचा कुटुंब पद्धतीवर होणारा परिणाम	1000	3000	1000	-	5000
3.	Vinayak Lashkar	Sneha Hivarkar	स्त्रियांचे सामाजिक सक्षमीकरण : सध्यस्थिती आणि आव्हाने	1000	3000	1000	-	5000
4.	Nitin Chavan	Rohan Shedage	गुन्ह्यांचे बदलते स्वरूप : सध्यस्थिती आणि आव्हाने	1000	3000	1000	-	5000
Total								20000



To,

The Head,

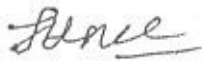
Department of History

Subject: Sanction of student research proposals for 2022-23

Dear Sir,

It gives me pleasure to inform you that the student research proposals from your department are sanctioned under the student research grant scheme of the college. The project period will be one the academic year 2022-23. The audit for the same will be conducted in the month of April 2023. Therefore, you are herewith informed to utilize the sanctioned amount on or before 31st March 2023.

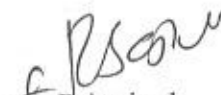
The research guide should utilize the research grants as per the rules and regulations of the college. Before purchasing any goods under this project, prior permission is taken from the Hon'ble Principal. The list of sanctioned projects is given herewith.


Co-ordinator

ARC


Chairman

Research Committee


Principal



Anekant Education Society's

Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati

(Autonomous)

Department of History (2022-2023)

Sr.No	Name of Guide	Name of Students	Title of Project	Hiring Services	Contingency	Field Work & Travel	Chemicals & glassware	Total
1.	Prof. Kanade Shobha Bhimappa	Chavan Nilam Arun	स्वातंत्र्योत्तर भारतातील प्रभावशाली महीला	---	2500	1500	---	4000
2.	Dr. Tardalkar Sandeep Sambhaji	Kulkarni Sandesh Vilas	स्वातंत्र्य चळवळीतील उपेक्षित क्रांतिकारकांचे योगदान	---	2500	1500	----	4000
3.	Dr. Tardalkar Sandeep Sambhaji	Shaikh Aalam Sadik	मुघलकालिन सामाजिक जीवन	---	2500	1500	---	4000
4.	Prof. Mohite Digambar Tulshidas	Tamboli Tehejib Ramjan	स्वातंत्र्योत्तर कालखंडातील मुस्लिम समाज	300	2500	1500	---	4300
5.	Prof. Mohite Digambar Tulshidas	Kasabe Puja Shivaji	लिंगायत समाजाचा इतिहास	500	2500	1500	---	4500
6.	Prof. Mohite Digambar Tulshidas	Pawar Abhishek Sanjay	स्वातंत्र्योत्तर कालखंडातील भारतीय ऑलिम्पिक संघाचे योगदान	500	2500	1500	---	4500
Total								25300

Since
ARC

U. S. Singh
Chairman

f. S. Singh
Principal

Research Committee

