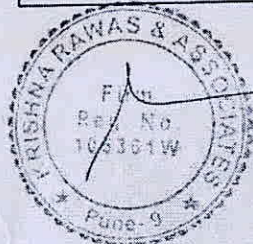


Marathwada Mitra Mandal's
M.M. College of Pharmacy
 Thergaon, Kalewadi, Pune - 411 033

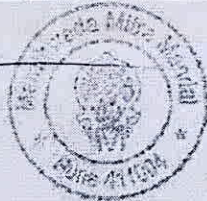
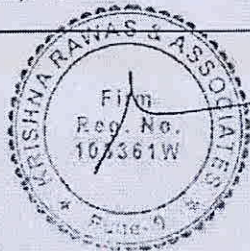
Income & Expenditure Account for the period from 1/4/2019 to 31/3/2020

Expenses	Amount Rs.	Amount Rs.	Income	Amount Rs.	Amount Rs.
Salaries & Perquisites to Staff			Academic Receipts		
Salary Non-Teaching Staff	3,304,178.00		Development Fees-B Pharm	1,882,103.00	
Gratuity - Non Teaching Staff	137,123.00		Development Fees-D pharm	510,904.00	
Salary teaching Staff	17,852,521.00		Development Fees-M pharm	366,606.00	
Gratuity - Teaching Staff	740,880.00		SWD/EBC/ST Fees	11,176,583.00	
PF Admin Charges	66,300.00		SWD Fees Receipt	348,265.00	
Employer Contribution to PF	757,483.00		Tution Fee B -Pharm	12,449,462.01	
Honararium to Visiting Staff	2,600.00	22,861,085.00	Tution Fee D-pharm	3,277,288.00	
			Tution Fee M-pharm	2,580,011.00	32,591,222.01
Academic Expenses			Grants		
Affiliation Fees	416,027.00		RGSTC Research Grant	1,355,000.00	
I Card Expenses	7,021.00		AICTE Modrobs Grant	894,400.00	
IEDSSA Pro-rata	2,600.00		SPPU Grant	914,546.00	
I PA Expenses	4,500.00		Other Grant	16,000.00	3,179,946.00
Laboratory Expenses	114,308.00				
DSC/FTIR sample Analysis Remuneration	11,877.00		Bank Interest		
Eligibility Remuneration	9,000.00		On Saving Account	92,954.00	92,954.00
Glassware Expenses	126,998.00				
Chemical Expenses	187,817.00		Other Income		
Medical Expenses	7,320.00		ARI Healthcare Ltd. Reaserch Project	1,185,020.00	
Newspaper and Periodical	15,443.00		DSC and other sample fees	184,110.00	
NPW Expenses	5,542.00		Entrepreneurship Development Ins	3,280.00	
Online test and tutorial expenses	187,856.00				



M. M. M.
PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033

Expenses	Amount Rs.	Amount Rs.	Income	Amount Rs.	Amount Rs.
Prorata Pune University	52,168.00		Freeze d'ring sample fees	6,750.00	
SPPU Eligibility Expenses	30,350.00		FTIR sample fees	16,200.00	
SPPU Grant Expenses	25,785.00		Students Misc. Fees	172,991.12	
SPPU Seminar Grant Expenses	90,992.00		Improvement exam fees	59,424.00	
SPPU NSS Grant Expenses	13,996.00		Llyophilization sample fees	9,000.00	
SPPU Exam Grant Expenses	645,879.00		Registration Fess	8,446.00	
Training and Placement expenses	27,596.00	1,983,075.00	MSBTE Journal Receipts	23,950.00	1,669,171.12
Administrative & General Expenses					
Advertisement Expenses	55,119.00				
Bank Charges	12,180.92				
Cleaning & Sanitaziation Expenses	37,632.00				
Electricity Expenses	1,024,650.00				
Internet expenses	283,200.00				
Institutional Project grant Remuneration	4,050.00				
Land and Building PCMC Tax	983,813.00				
Housekeeping Expenses	1,297,663.00				
Medicinal Plant & Garden Expenses	131,950.00				
Meeting and Committee Expenses	76,310.00				
Membership Fees	1,000.00				
NSS & SWO Remuneration	8,400.00				
Office Expenses	2,130.00				
Postage & Telegramme Expenses	6,765.00				
Printing & Stationery Expenses	332,767.00				
Professional Charges	56,669.00				
Property Insurance Expenses	229,418.00				
Seminar /Workshop Expenses	410.00				
Security Charges	665,411.00				
Swach Bharatbhavan Expenses	3,750.00				
Tea & Refreshment Expenses	96,011.00				
Telephone Expenses	4,096.00				
Travelling and Conveyance	52,913.00				
Water Expenses	69,301.00				
Website Expenses	9,676.00	5,445,284.92			



PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033

010-20

Expenses	Amount Rs.	Amount Rs.	Income	Amount Rs.	Amount Rs.
Repairs & Maintenance Expenses					
Repairs & Maintenance - Computer	174,246.00				
Repairs & Maintenance - Electrical	99,002.00				
Repairs & Maintenance - Building	688,914.00				
Repairs & Maintenance - Equipment Lab	355,086.40	1,317,248.40			
Audit fee		5,900.00			
Depreciation on					
Building	2,142,608.00				
Computer Hardware	200,776.00				
Computer Softwares	198,785.00				
Furniture & Fixture	510,229.00				
Laboratory Equipments	1,640,516.00				
Library Books	167,237.00				
Scientific Journals	80,046.00				
Office Equipments	76,317.00	5,016,514.00			
Surplus transfer to Balance-Sheet		904,185.81			
Total Rs.		37,533,293.13		Total Rs.	37,533,293.13



For KRISHNA RAWAS & ASSOCIATES
CHARTERED ACCOUNTANTS

(Signature)

CA. DR. K.M. RAJEEV
Memb. No. 015075
(M.C.M., F.C.A., Ph.D.)

UDIN : 20035675AAAAAY6033
Place : Pune
Date : 25th November, 2020



(Signature)
Exe. President
Marathwada Mitra Mandal
Deccan Gymkhana, Pune-4

(Signature)

PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033

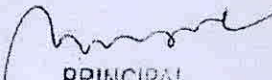


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PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033


MARATHWADA MITRA MANDAL'S
MMM COLLEGE OF PHARMACY
 THERGAON, KALEWADI, PUNE- 411033

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31st MARCH 2019

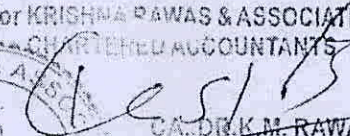
EXPENDITURE	Sch No.	AMOUNT Rs.	INCOME	Sch No.	AMOUNT Rs.
TO			BY		
STAFF PAYMENTS & BENEFITS	15	21,569,407.00	ACADEMIC RECEIPTS	21	29,589,652.00 ✓
ACADEMIC EXPENSES	16	2,402,390.19	GRANTS & DONATIONS	22	3,808,547.00 ✓
ADMINISTRATIVE AND GENERAL EXPENSES	17	3,600,014.24	INTEREST	23	258,606.00 ✓
REPAIRS AND MAINTENANCE EXPENSES	18	598,523.00	OTHER INCOME	24	364,901.60 ✓
AUDIT FEES	19	14,420.00			
OTHER EXPENSES	20				
DEPRECIATION	6	2,827,955.00			
SURPLUS CARRIED OVER TO BALANCE SHEET	13	3,008,997.17			
Total Rs.		34,021,706.60	Total Rs.		34,021,706.60 ✓


PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033


Secretary
 Marathwada Mitra Mandal
 Deccan Gymkhana, Pune-4



Exe. President
 Marathwada Mitra Mandal
 Deccan Gymkhana, Pune-4



For KRISHNA RAWAS & ASSOCIATES
 CHARTERED ACCOUNTANTS

 Firm
 Reg. No. 105361W
 CA. D.K.M. RAWAS
 Memb.No.035675
 (M.Com., F.C.A., Ph.D.)

12 2 OCT 2019




PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033

MARATHWADA MITRA MANDAL'S
MMM COLLEGE OF PHARMACY
 THERGAON, KALEWADI, PUNE- 411033

Schedule to and forming part of the Income and Expenditure Account for the FY 2018-19

		AMOUNT Rs.	
SCHEDULE 15 : STAFF PAYMENTS & BENEFITS			
1	Salary Non-teaching Contract	1,345,448.00	
2	Salary Non-teaching Staff	2,844,772.00	
3	Security Charges	712,426.00	
4	Employer Contribution to PF	556,912.00	
5	Honarium to Visiting Staff	82,780.00	
6	Salary teaching Staff	15,246,186.00	
7	Gratuity	750,775.00	
8	Earn & Learn Expenses	30,108.00	21,569,407.00
Total Rs.			<u>21,569,407.00</u>
SCHEDULE 16 : ACADEMIC EXPENSES			
1	Affiliation Fees	956,721.39	
2	Annual function and Gathering expenses	232,277.00	
3	Annual Sports Expenses	6,796.00	
4	ARI Research Grant & Sample Analysis Remuneration	3,000.00	
5	DSC/FTIR sample Analysis Remuneration	5,605.00	
6	Eligibility Remuneration	18,600.00	
7	Education fair Expenses	24,560.00	
8	Medical Expenses	7,500.00	
9	Medical Exam Remuneration	920.00	
10	Newspaper and Periodical	15,899.00	
11	National Insurance Remuneration	910.00	
12	NPW-2018	9,150.00	
13	Online test and tutorial expenses	168,976.00	
14	Prorata 2017-18	53,354.00	
15	SPPU Eligibility Expenses	32,500.00	
16	SPPU Grant Expenses	662,273.00	
17	SPPU Seminar Grant Expenses	41,348.00	
18	SPPU NSS Grant Expenses	19,310.00	
19	SPPU Medical Expenses	3,060.00	
20	Student Activity Expenses	139,630.80	
21	Training and Placement expenses		2,402,390.19
Total Rs.			<u>2,402,390.19</u>
SCHEDULE 17 : ADMINISTRATIVE AND GENERAL EXPENSES			
1	Advertisement Expenses	77,204.00	
2	Bank Charges	3,011.04	
3	Chemical Expenses	384,678.00	
4	Cleaning Expenses	44,890.00	
5	Electricity Expenses	478,320.00	
6	Internet expenses	278,190.00	
7	Institutional Project grant Remuneration	10,575.00	
8	Laboratory expenses	239,155.00	
9	Land and Building PCMC Tax	1,062,989.00	
10	Legal Expenses	10,020.00	
11	Medicinal Plant & Garden Expenses	148,940.00	
12	Meeting and Committee Expenses	65,000.00	
13	Membership Fees	47,376.00	
14	NSS Remuneration	2,400.00	
15	PHD Fees SPPU Share	30,000.00	
16	Postage & Telegramme Expenses	6,005.00	
17	Printing & Stationery Expenses	254,950.00	
18	Professional Charges	130,272.00	
19	Registration expenses	3,500.00	
20	Seminar /Workshop Expenses	11,465.00	
21	Stationery Expenses	53,399.00	
22	Tea & Refreshment Expenses	95,399.20	
23	Telephone Expenses	5,483.00	
24	Travelling and Conveyance	114,167.00	
25	Water Expenses	37,670.00	
26	Website Expenses	4,956.00	3,600,014.24
Total Rs.			<u>3,600,014.24</u>

22 OCT 2019



Principal
PRINCIPAL
 Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033

MARATHWADA MITRA MANDAL'S
MMM COLLEGE OF PHARMACY
THERGAON, KALEWADI, PUNE- 411033

Schedule to and formina part of the Income and Expenditure Account for the FY 2018-19

AMOUNT Rs.

SCHEDULE 18 : REPAIRS AND MAINTENANCE EXPENSES

1	Repairs & Maintainance - Computer	14,831.00 ✓	
2	Repairs & Maintainance - Electrical	217,551.00 ✓	
3	Repairs & Maintainance - Furniiture	69,540.00 ✓	
4	Repairs & Maintainance - Equipment Lab	296,601.00 ✓	598,523.00
Total Rs.			<u>598,523.00</u>

SCHEDULE 19 : AUDIT FEES

1	Audit fee		14,420.00 ✓
Total Rs.			<u>14,420.00</u>

SCHEDULE 20 : OTHER EXPENSES

1	Other Expenses		-
Total Rs.			<u>-</u>

SCHEDULE 21 : ACADEMIC RECEIPTS

1	Development Fees	1,666,027.00	
2	Development Fees-D pharm	235,000.00	
3	Development Fees-M pharm	259,742.00	
4	PHD Fees	66,000.00	
5	SWD/EBC/ST 2018-19	4,572,604.00	
6	SWD Receipt	7,024,000.00	
7	Tution Fee	11,577,069.00	
8	Tution Fee D-pharm	1,635,000.00	
9	Tution Fee M-pharm	2,159,310.00	
10	Eligibility Fees	51,100.00	
11	NBA Fees	343,800.00	29,589,652.00
Total Rs.			<u>29,589,652.00</u>

SCHEDULE 22 : GRANTS & DONATIONS

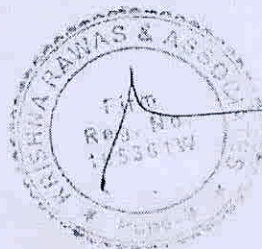
1	ARI Research Grant	1,658,547.00	
2	SPPU Grant DST FIRST GRANT	2,150,000.00	3,808,547.00
Total Rs.			<u>3,808,547.00</u>

SCHEDULE 23 : INTEREST

1	Interest on Saving Account		258,606.00
Total Rs.			<u>258,606.00</u>

SCHEDULE 24 : OTHER INCOME

1	Laboratory and library dues	119,551.04	
2	Admission Cancellation charges	1,000.00	
3	DSC sample fees	110,250.00	
4	Entrepreneurship Development Ins	16,000.00	
5	Freeze dring sample fees	7,250.00	
6	FTIR sample fees	3,800.00	
7	I Card,Duplicate Hall Ticket Etc Misc Fine	500.00	
8	Improvement exam fees	83,028.00	
9	Llyophilization sample fees	14,460.00	
10	Registration Fess	3,690.00	
11	Sale of Scrap	3,664.00	
12	Texture anlysis samples	600.00	
13	Tanscript Fees	1,108.56	364,901.60
Total Rs.			<u>364,901.60</u>



22 OCT 2019



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Thergaon (Kalewadi), Pune-411033

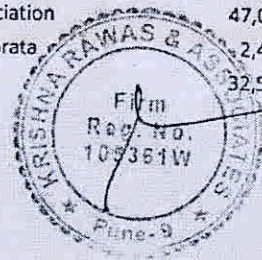
MARATHWADA MITRA MANDAL'S
COLLEGE OF PHARMACY
 TERGAON, KALEWADI, PUNE- 411033

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31st MARCH 2018

Expenditure	Amount Rs.	Amount Rs.	Income	Amount Rs.	Amount Rs.
STAFF PAYMENTS & BENEFITS			ACADEMIC RECEIPTS		
Facilitation Center Remuneration	7,250.00		Administration fees	70,200.00	
Gratuity	754,525.00		Admission fees	4,890.00	
Internal Marks Remuneration	38,675.00		Advance Fees	40,361.00	
NSS remuneration	2,400.00		ARC Remuneration BCUD Research Project	11,500.00	
Salary to Non Teaching Staff	4,085,248.00		Bonafide Fees	11,750.00	
Salary to Teaching Staff	14,096,089.00		Computerisation fees	67,860.00	
SPPU Earn & learn expenses	66,870.00		Development Fees	1,404,132.00	
Staff Group Insurance	6,348.00		Disaster Management Fee	4,700.00	
SWO Pocket Allowance expenses	6,000.00	19,063,405.00	Elegibility fees	44,550.00	
			Environment Science fees	56,000.00	
ACADEMIC EXPENSES			Gymkhana Fees	70,200.00	
Alumni Expenses	800.00		Internet email Fees	46,800.00	
Annual function and Gathering expenses	4,980.00		Laboratory fees	117,000.00	
ARI Research Grant & Sample Analysis Remu.	87,723.00		Library Fees	70,200.00	
DSC/FTIR sample Analysis Remuneration	8,103.00		Medical Exam Fees	4,860.00	
Education fair Expenses	42,381.00		National Health Insurance SPPU	45,502.00	
Medical Expenses	6,100.00		National Insurance Remuneration	746.00	
Students Health Insurance	50,360.00		NSS fees	2,350.00	
Online test and tutorial expenses	98,412.00		Online Test & Tutorials Fees	149,537.00	
Prorata 2017-18	47,392.00		Pro-Rata Contribution for Ahwamege Fees	4,700.00	
SAMANVAY MMCOP Alumni Association	47,099.00		Registration Fee	5,850.00	
SPPU District Sport Xone Sport Prorata	2,484.00		Student Activities fees	234,550.00	
SPPU Elegibility Expenses	32,550.00		Student Safety Insurance	2,350.00	



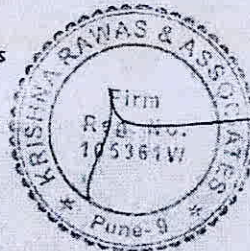
PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Tergaon (Kalewadi), Pune-411 033



22 AUG 2018



SPPU Grant Expenses	302,209.80		SWD Scholarship	4,495,792.00	
SPPU Medical Expenses	2,640.00		Training & Placement Fees	17,565.00	
Student Activity Expenses	20,696.00		Tution Fee	15,829,110.00	
Training and Placement expenses	<u>27,391.00</u>	781,320.80	University Development Fees	<u>58,500.00</u>	22,871,555.00
ADMINISTRATIVE AND GENERAL EXPENSES			GRANTS & DONATIONS		
Admission Regulatory Authority Fees	52,000.00		ARI Research Grant	<u>147,375.00</u>	
Advertisement Expenses	70,078.00		SPPU Grant	<u>945,402.00</u>	1,092,777.00
Affiliation Fees	758,900.00		INTREST		
ASHI Remunation expenses	3,810.00		Interest on Saving Account	69,652.00	
Bank Charges	3,579.97		Interest on FD	<u>38,379.00</u>	108,031.00
Chemical Expenses	138,004.00		OTHER INCOME		
Cleaning Expenses	30,327.00		Staff Accidental Insurance Premium	<u>9,490.00</u>	9,490.00
Council Fees	49,246.88		Deficit- Transfer to Balance Sheet		
Electricity Expenses	274,040.00				2,957,010.07
Internet expenses	186,870.00				
Laboratory expenses	173,012.34				
Land and Building PCMC Tax	1,025,420.00				
Legal Expenses	8,250.00				
Medicinal Plant & Garden Expenses	152,638.00				
Meeting and Committee Expenses	16,500.00				
Membership Fees	1,000.00				
Newspapers & Periodicals Expenses	12,399.00				
PCMC NA Tax	4,894.00				
Postage & Telegramme Expenses	8,233.00				
Printing & Stationery Expenses	303,233.66				
Professional Charges	103,406.00				
Registration expenses	4,000.00				
Seminar /Workshop Expenses	36,151.00				
SPPU CAP Center Expenses	239,833.00				
Tea & Refreshment Expenses	54,726.00				



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COLLEGE OF PHARMACY
hergaon (Kalewadi), Pune-411 033



22 AUG 2018

Telephone Expenses	9,598.00	
Travelling and Conveyance	151,471.00	
Water Expenses	19,111.00	
Website Expenses	5,000.00	3,895,732.05

REPAIRS AND MAINTENANCE EXPENSES

Glassware Expenses	241,933.00	
Repairs & Maintainance - Electrical	17,091.00	
Repairs & Maintainance - Furniture	18,980.00	
Repairs & Maintainance - Equipment Lab	112,936.00	390,940.00

AUDIT FEES		9,130.00
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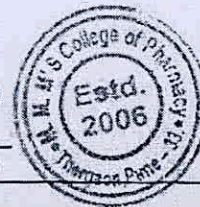
OTHER EXPENSES

RCM Input GST		17,219.22
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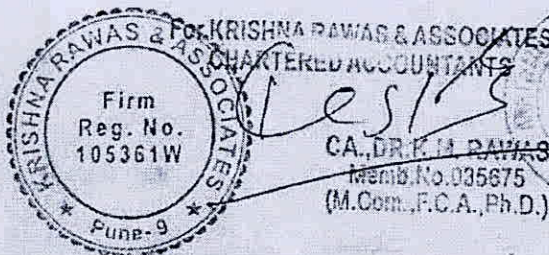
DEPRECIATION

Building	773,759.00	
Computer Hardware	228,741.00	
Computer Softwares	146,752.00	
Furniture & Fixture	261,441.00	
Laboratory Equipments	1,115,628.00	
Library Books	239,034.00	
Scientific Journals & Periodicals	21,337.00	
Office Equipments	94,424.00	2,881,116.00

Total Rs. 27,038,863.07



Total Rs. 27,038,863.07



K. S. Rawas
PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033

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PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033

[Signature]
Secretary
 Marathwada Mitra Mandal
 Deccan Gymkhana, Pune-4

[Signature]
Exe. President
 Marathwada Mitra Mandal
 Deccan Gymkhana, Pune-4

[Signature]
PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033

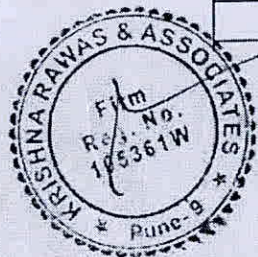
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MARATHWADA MITRA MANDAL'S
COLLEGE OF PHARMACY

TERGAON, KALEWADI, PUNE- 411033

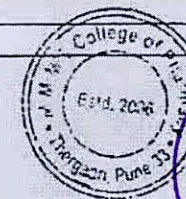
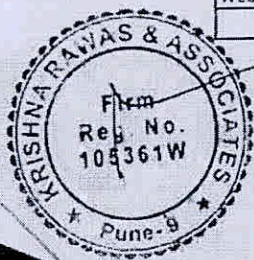
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31st MARCH 2017

Expenditure	Amount (Rs.)	Amount (Rs.)	Income	Amount (Rs.)	Amount (Rs.)
Salaries & Allowances			Academic Receipts		
Gratuity	813,529.00		Development Fees	1,072,162.00	
Salary to Teaching Staff	11,829,677.00		Disaster Management Fee	4,060.00	
Salary to Non Teaching Staff	2,566,994.00		Medical Exam Fees	4,860.00	
Honarium to Visiting Faculty	16,800.00		Pro-Rata Contribution for Ahwamege Fees	4,060.00	
Employer Contribution to PF	536,862.00		Registration Fee	5,075.00	
Non-teaching contract Staff Salary	816,245.00	16,580,107.00	Student Health Insurance	47,498.00	
			Student Safety Insurance	2,030.00	
Academic Expenses			SWD Scholarship	7,029,586.00	
Alumni Expenses	3,000.00		Tuition Fee	10,466,238.00	18,635,569.00
Security Charges	504,000.00				
Annual function and Gathering expenses	157,230.00		GRANTS		
Medical Expenses	5,960.00		ARI Research Grant	182,025.00	
National Health Insurance	47,940.00		University Grant	1,985,840.00	2,167,865.00
Online test and tutorial expenses	102,800.00				
Sport Gymkhana Expenses	125,628.00		INTREST		
Student Activity Expenses	170,282.00		Accrued Intrest on FD		38,489.00
Training and Placement expenses	147,750.00				
University grant expenses	1,522,334.00		Deficit- Transfer to Balance Sheet		6,412,645.07
ARC BCUD Research Project Remuneration	3,000.00				
DSC/FTIR sample Analysis Remuneration	15,351.00				
ARI Research Grant & Sample Analysis Remuneration	11,750.00	2,817,025.00			



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PRINCIPAL
 Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
 Tergaon (Kalewadi), Pune-411 033

Expenditure	Amount (Rs.)	Amount (Rs.)	Income	Amount (Rs.)	Amount (Rs.)
Administrative & General Expenses					
Affiliation Fees	227,800.00				
Admission Regulatory Authority Fees	109,000.00				
Advertisement Expenses	76,476.00				
Bank Charges	1,769.27				
Cleaning Expenses	100,406.00				
Chemical Expenses	177,051.00				
Council Fees	637,595.80				
Electrical Expenses	100,000.00				
Electricity Expenses	263,450.00				
Eligibility Remuneration	16,200.00				
IPA/NPW Registration Charges	2,000.00				
Land and Building PCMC Tax	1,024,838.00				
Legal Expenses	1,860.00				
Medicinal Plant & Garden Expenses	117,722.00				
Meeting and Committee Expenses	102,373.00				
Membership Fees	1,000.00				
Museum Expenses	118,478.00				
Newspapers & Periodicals Expenses	12,063.00				
Office Expenses	152,345.00				
Other Misc Lab Expenses	203,585.00				
Phd Fees Share	48,000.00				
Postage & Telegramme Expenses	3,894.00				
Printing & Stationery Expenses	263,817.00				
Professional Charges	69,170.00				
Seminar /Workshop Expenses	189,500.00				
Tea & Refreshment Expenses	70,168.00				
Telephone Expenses	15,632.00				
Travelling and Conveyance	83,347.00				
Water Expenses	19,984.00				
Website Expenses	8,000.00	4,217,524.07			

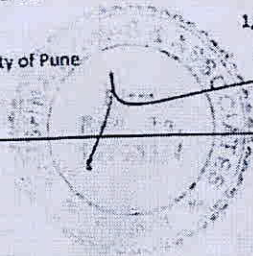


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PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
 Thergaan (Kalewadi), Pune-411 033

MARATHWADA MITRA MANDAL'S
COLLEGE OF PHARMACY
 THERGAON, KALEWADI, PUNE- 411033

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING 31st MARCH 2016

Expenditure	Amount Rs.	Amount Rs.	Income	Amount Rs.	Amount Rs.
Salaries & Allowances			Acadmic Receipts	68,700.00 ✓	
Employers Contribution to Provident Fund	5,60,361.00		Administrative Fees	4,790.00 ✓	
Honorarium to Visiting Staff	24,300.00		Admission Fees	12,450.00 ✓	
Non-Teching Contract Staff Salary	7,96,586.00		Application Rearsh Centre College Shares	11,450.00 ✓	
Salary to Non Teaching Staff	26,45,218.00		Bonafide Fees	66,410.00 ✓	
Salary to Teaching Staff	1,09,46,977.00		Computerzation Fees	12,43,972.00 ✓	
Gratuity-Teaching Staff	4,54,300.00		Development Fees	4,580.00 ✓	
Gratuity- Non-Teaching Staff	1,09,777.00		Disaster Management Fees	54,000.00 ✓	
EPF Admin Charges	90,363.00		Environment Science	68,700.00 ✓	
Security Charges	5,04,000.00	1,61,31,882.00	Gyamkhana Fees	17,800.00 ✓	
Academic Expenses			Internet E-mail Fees	1,14,500.00 ✓	
AICTE Fees	1,50,000.00 ✓		Laboratoty Fees	68,700.00 ✓	
University Affiliation Fees	2,08,000.00 ✓		Library Fees	1,830.00 ✓	
Annual Function & Gathering Expenses	1,23,399.00		Medical Exam Fees	2,310.00 ✓	
ARI Res.Project & Sample Analysis Rem.	21,550.00		NSS Fees	15,17,686.00 ✓	
Chemical expenses	1,48,429.00 ✓		Outstanding Fees 2014-15	4,580.00 ✓	
Committee Expenses	4,000.00		Pro-Rata Contribution for Ashwamege Fees	5,725.00 ✓	
DTE Registration Fees	60,000.00 ✓		Registration Fees	1,832.00 ✓	
Glassware Expenses	85,203.00 ✓		Sports Fund	2,29,000.00 ✓	
Internal Exam marks Remuneration	39,013.00		Student Activity Fees	41,974.00 ✓	
Laboratory Expenses	1,41,264.00		Student Health Insurance	2,290.00 ✓	
Medical Expenses	6,970.00		Student Safety Insurance	56,71,790.00 ✓	
Medical Plant & Garden Expenses	1,25,096.00		SWD Scholarship Receipt	17,175.00 ✓	
Museum Expenses	1,25,000.00		Training & Placement Fees	1,11,49,962.00 ✓	
National Insurance University of Pune	46,096.00		Tuition Fees	57,250.00 ✓	2,04,39,456.00 ✓
NSS/Medical Remuneration	37,400.00		University Development Fees		



[Signature]
PRINCIPAL
 Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033
 AUG 2016

Prorata 2015-16	2,032.00	
PCI Fees	2,50,000.00	
Sports Expenses	4,380.00	
Seminar & Conference Expenses	28,800.00	
Scientific Journals & Periodicals	3,000.00	
Training & Placement Expenses	890.00	
University of Pune - Exam Expenses	2,09,559.00	
University of Pune - Grant Expenses	<u>1,85,258.00</u>	20,05,339.00

Administrative & General Expenses		
Advertisement Expenses	2,18,241.00	
Bank Charegs	251.26	
Cleaning & Sanitary Expenses	18,131.00	
Electricity Charges	2,93,080.00 ✓	
Internet Expenses	1,60,499.00	
Interest on TDS	460.00	
Local Body Tax	43,505.00	
Legal Expenses	6,995.00	
Committee Meeting Expenses	17,120.00	
News Paper & Periodicals Expenses	10,706.00	
Membership Fees	6,102.00	
Office Expenses	7,018.00	
Postage & Telephone Expenses	6,288.00 ✓	
Printing & Stationary Expenses	2,97,067.00 ✓	
Professional Fees	65,688.00	
Property Tax	9,95,576.00	
Tea & Refreshment Expenses	84,783.00	
Water Charges	17,459.00	
Telephone Expenses	12,845.00	
Travelling & Conveyance Expenses	<u>1,36,032.00</u> ✓	23,97,846.25

GRANTS

ARI Reasearch Project Grant	1,35,225.00	
University of Pune Earn & Learn Grant	28,447.00	
University Of Pune Equipment Grant	2,00,000.00	
University of Pune Exam Grant	6,33,262.00	
University of Pune NSS Grant	25,250.00	
University of Pune Research Grant	1,40,000.00	
University of Pune Seminar Grant	2,31,023.00	
University of Pune VVVY Grant	<u>10,000.00</u>	14,03,207.00 ✓

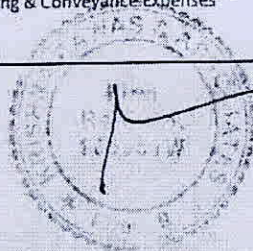
INTREST

Accurued Intrest on FD		64,834.00 ✓
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OTHER INCOME

laboratory Dues	2,620.00 ✓	
Sale of Admission Form	<u>2,750.00</u>	5,370.00 ✓

Deficil- Transfer to Balance Sheet		26,60,418.26
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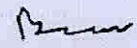
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PRINCIPAL
 Marathwada Mitra Mandal's COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033
 30 AUG 2016

Repairs & Maintenance Expenses			
Repair & Maintenance - Electrical	75,394.00		
Repair & Maintenance - Building	17,899.00		
Repair & Maintenance - Laboratory	<u>1,35,459.00</u>	<u>2,28,752.00</u>	
Audit Fees		6,258.00	
DEPRECIATION			
Building	9,55,258.00		
Computer, Laptop & Softwares	2,20,376.00		
Furniture & Fixture	2,48,555.00		
Laboratory Equipments	13,03,581.00		
Library Books	9,53,087.00		
Office Equipment	<u>1,22,351.00</u>	<u>38,03,208.00</u>	
Total Rs.		<u>2,45,73,285.26</u>	Total Rs. <u>2,45,73,285.26</u>

For KRISHNA BAWAS & ASSOCIATES
 Chartered Accountants

 CA KRISHNA BAWAS
 Regd. No. 036675
 (MCA, F.C.A., Ph.D.)


 Secretary
 Marathwada Mitra Mandal
 Deccan Gymkhana, Pune-4

 3 AUG 2016
 Exco. President
 Marathwada Mitra Mandal
 Deccan Gymkhana, Pune-4

Marathwada Mitra Mandal's College of Pharmacy
 Estd. 2006
 Thergaon, Pune-33


 PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 033

Rajiv Gandhi Science & Technology Commission Government of Maharashtra

No. RGSTC/File-2018/DPP-203/CR-65
Apeejay House, 3rd Floor,
Dinshaw Vacha Road,
Near K.C. College,
Churchgate, Mumbai-400 020.
Tel: No. 022-22024711/22024755
E-mail: rgstcmaha@rediffmail.com
Dated:- 14th January, 2020

Sanction Order

Sub: - Project Proposal entitled "Development of Transdermal Drug Delivery Systems of Iron Using Natural Skin Permeation Enhancers."

- Ref: -** 1) Detailed Project Proposal dated 12/11/2018 received from Marathwada Mitra Mandal's College of pharmacy, Thergaon, Pune - 411 033.
2) RGSTC Letter dated 24/07/2019 to the Institute.
3) Revised Detailed Project Proposal received from the Institute.
4) RGSTC Letter dated 05/10/2019 to the Institute.
5) Email dated 30/11/2019 received from the Institute.

For advancement, propagation and promotion of applications of Science and Technology for development and to tackle various problems faced by the society, the Government of Maharashtra has set up Rajiv Gandhi Science and Technology Commission. One of the objectives of the commission is to catalyze application of innovations in sectors like food processing, energy, water, agriculture, fisheries, industries, bio-diversity conservation etc. to create knowledge based society for sustained economic progress.

2. Rajiv Gandhi Science and Technology Commission (RGSTC), under its scheme "Assistance for Science and Technology Applications" has received a project proposal entitled, "Development of Transdermal Drug Delivery Systems of Iron Using Natural Skin Permeation Enhancers" of 2 years duration with total estimated cost of Rs. 19,40,000/- for financial support from Marathwada Mitra Mandal's College of pharmacy, Thergaon, Pune. The various objectives of the project are to formulate self-administrable, self-contained, self-discrete dosage forms of iron salt transdermal formulations along with selected natural penetration enhancers and to obtain the optimized and stabilized formulations of individual drug through systematic characterization of numerous formulations by evaluating various parameters.

3. The proposal was duly processed and reviewed by the Project Appraisal Committee (PAC) of RGSTC in its meeting dated 8th and 9th July, 2019. As suggested by the Commission, the Institute has submitted a revised detailed project proposal. According to the revised detailed project proposal total estimated cost of the project is Rs. 16,70,000/- with duration of 2 years.

4. In view of the above, Rajiv Gandhi Science and Technology Commission is pleased to sanction the above project of **Rs. 16,70,000/- (Rupees Sixteen Lakhs Seventy Thousand Only)** for the duration of 2 years and release Rs. 13,55,000/- (Rupees Thirteen Lakhs Fifty Five Thousand



[Signature]
PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
(Thergaon, Pune-411 033)

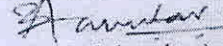
only) as the first installment to Marathawada Mitra Mandal's College of pharmacy, Thergaon, Pune for implementation of the project. RGSTC (Norms of Funding) Regulations, 2011 and Supplementary Guidelines for implementation of Projects sanctioned by RGSTC are enclosed for necessary information.

5. The amount may be released in favor of Marathawada Mitra Mandal's College of Pharmacy through RTGS. The bank details of the said institute are as follows:

Name of Account Holder : Marathawada Mitra Mandal's College of Pharmacy
Bank Name : Bank of India
Account Number : 050721110000008
Type of Account : Current Account
IFSC Code : BKID0000507

6. The Institute is requested to acknowledge receipt of the payment immediately. The Institute should constitute a Project Review Committee (PRC) in consultation with RGSTC for periodic monitoring the progress of the project. Besides representative of RGSTC, the PRC should include the domain experts and downstream partners.

7. The project status will be reviewed in terms of objectives and achievements, at the end of six months/ first year from the date of receipt of installment. The Institute should submit Annual / Six monthly progress reports of the project along with the Utilization Certificate as per the enclosed format and the Statement of Expenditure and also the interest earned to enable the Commission to complete the reviewing process.


(A. S. Manekar)
Member Secretary


Copy forwarded with compliments for information and necessary action to:-

1. Principal, Marathawada Mitra Mandal's College of pharmacy, Thergaon, Pune - 411 033.
2. Dr. Smitha Gandra, Assistant Professor, Department of Pharmaceutics, Marathawada Mitra Mandal's College of pharmacy, Thergaon, Pune - 411 033.
3. Account Section, RGSTC
4. Select File, RGSTC

Copy for information to:-

5. Chairman, RGSTC.
6. Principal Secretary (IT and S&T).




PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033

Date:29.11.2019

F.No.9-313/RIFD/MOD/Policy-I/2018-19

All India Council for Technical Education
(A Statutory Body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



MODROB - Sanction Letter

F.No.9-313/RIFD/MOD/Policy-I/2018-19

Date: 04.12.2019

To,
The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg, Vasant Kunj,
New Delhi-110070.

Sub: Release of a sum of Rs.894400/- (Rupees Eight Lakh NinetyFour Thousand Four Hundred Only) being the Grant-in-Aid under the scheme Modernization and Removal of Obsolescence (MODROB) for the year 2018-19 payable during the current financial year 2019-20- reg.

Sir,
With reference to the proposal submitted by the institute, this is to convey that the sanction of the Council for payment of Rs.1118000/- (Rupees Eleven Lakh Eighteen Thousand Only) as Grant-in-Aid under the Modernization and Removal of Obsolescence (MODROB) scheme, as per details given below:

1.	Name and address of the Beneficiary Institution:	Director/ Principal/ Registrar, MARATHWADA MITRA MANDAL'S COLLEGE OF PHARMACY, S. NO.4/17,SECTOR NO.34, PCNTDA, OFF KALEWADI PHATA-PIMPRI ROAD, THERGAON(KALEWADI) Maharashtra -411033		
2.	Title of Project:	Upgradation of Pharmacognosy Laboratory to Develop Inventive TSM's Formulations with Contemporary Technology		
3.	Name of Coordinator:	Dr. MANOHAR PATIL		
4.	Duration of the project:	2 Years		
4.	Total Grant-in-aid Sanctioned:	Total: Rs.1118000/-	Non-Recurring (85%): Rs.950300/-	Recurring (15%): Rs.167700/-
5.	Amount to be released during the year 2019-20:	1st Installment Rs.894400/-	Non-Recurring (85%): Rs.760240/-	Recurring (15%): Rs.134160/-
6.	Sanctioned grant-in-aid is debitable to:	Major Head 601.18(a) Gen. (Plan Head)		

- The amount of the Grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the Grant-in-Aid bill and shall be disbursed to and credited to the account of Director/Principal/ Registrar of the Institute through RTGS/PFMS.
- This Grant-in-Aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

THE INSTRUCTIONS/GUIDELINES TO BE FOLLOWED BY UNIVERSITY/INSTITUTION

I. Release of funds:

- The Principal/ Director of the institute and the Coordinator of the project are hereby requested to verify the correctness of the under mentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released:

Institute PAN No.	Bank Name	Bank Branch Name	Branch Address	Account Holder Name	Account Type	Account Number	IFSC
AAATM9 693N	BANK OF INDIA	PIPMRI, PUNE	PIMPRI FF, P.B.NO 1101, PUNE 18	MARATHWA DA MITRA MANDALS COLLEGE OF PHARMACY	Current Account	0507211100000 08	BKID000 0507

In case of any omission the same should be reported to AICTE immediately.



Manohar Patil
PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033

Date: 29.11.2019

F.No.9-313/RIFD/MOD/Policy-I/2018-

- b. The sanction is issued in exercise of the powers delegated to the council and other terms & conditions laid down in the guidelines of the scheme.
- c. 100% grant of the sanctioned amount is being released to Government/Govt. Aided institutions. Utilization Certificate (UC) and other requisite documents are to be submitted within one month of the completion of the project.
- d. To self-financed/Pvt. Institutions 80% of the sanctioned amount is being released as first installment followed by 20% as reimbursement after receipt of UC and other requisite documents as specified in terms & Conditions of MODROB Scheme.

II. Maintenance of accounts:

- a) The Institute shall strictly follow the provisions laid down in the scheme document and sanction order No. F.No.9-313/RIFD/MOD/Policy-1/2018-19 Dated 15.11.2019 issued by this office. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained
- b) Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant AICTE.
- c) The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure (list enclosed).
- d) The Council or its nominee shall have the right to check /verify the account to satisfy that the fund has been utilized for the purpose for it was sanctioned.
- e) The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal / Director / Registrar shall intimate about the receipt of the grant to AICTE. Any expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within one month of the receipt of the grant, the approval shall ipso facto lapse.
- f) After receipt of the grant from AICTE, the Institute shall send a confirmation to AICTE within 2 months of receipt of grant that the sanctioned project has been started/is in progress.

III. Refund of grant by way of a demand draft in favour of Member Secretary, AICTE, New Delhi:

- a) If the college/institute does not have the Letter of Approval (LOA) or Extension of Approval issued by AICTE for the academic year 2019-20, the fund released should be immediately refunded to AICTE with interest accrued thereon.
- b) If project is not started within six months of the issuance of this Offer Letter, the released amount, along with interest accrued thereon, has to be necessarily returned to AICTE.
- c) In any case, if the institute is required to refund the grant or interest accrued thereon or balance amount, the amount will be refunded to AICTE.
- d) It may be ensured that the project is completed within the stipulated time. If the project is not completed in time, no further extension will be granted in any case and institute has to refund the entire amount to AICTE.
- e) As AICTE needs adequate time for depositing the Demand Draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.

IV. Submission of documents by college/institution after completion of Project/Subsequent years:

The following mandatory relevant documents are required to be submitted by the college/institution within one month of the completion of the project: -

- a) Feedback form in the prescribed proforma.
- b) The Annual Progress Report (APR) in the prescribed format along with the original Statement of actual Expenditure in the prescribed proforma duly signed by the Head of the institution and shall be submitted to AICTE not later than one month after completion.
- c) The Utilization Certificate (UC) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the AICTE immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council. Audited Statement of



PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon, (Kalewadi), Pune-411 033

Date:29.11.2019


F.No.9-313/RIFD/MOD/Policy-I/2018-19

- Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format and GFR-19 shall be submitted to the Council.
- d) In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed by a Chartered Accountant (with membership no., full address & stamp). Photocopies of formats are enclosed.
- e) Program Evaluation Committee (PEC) is required to be constituted at Institutional level. The constitution of the PEC shall be as under:
- Principal/Director/Registrar of the Institution(Chairperson)
 - Coordinator of the project (Member Secretary),
 - Two HODs and one subject expert(Members).
 - The members of the said PEC shall not be below the rank of Associate Professor. The minutes of the meetings are to be submitted to the Council at end of the project along with other mandatory documents.
- f) Project completion report project indicating the activities undertaking, number of students benefited, laboratory works photographs of students, together with their views is to be submitted.
- g) Attested photocopies of supporting vouchers/bills of expenditure incurred for the completion of Project.
- h) Photographs of equipment's purchased.
- i) The balance amount of the grant will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second installment, in favour of the beneficiary institution.

V. General instructions

- a) The amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ utilization certificate and may either refund the interest amount to AICTE or AICTE shall adjust the same in the next installment of grant before its release.
- b) Any unavoidable circumstantial change in the project with respect to name of Project Coordinator for the MODROB project would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No.9-313/RIFD/MOD/Policy-1/2018-19 in your future correspondence.
- c) The grantee shall maintain an audited record of assets acquired wholly or substantially out of the Grant-in-Aid and a register of assets shall be maintained by the Institute in the prescribed form i.e.GFR-19.
- d) The College / Institute receiving grant under MODROB is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be super scribed with AICTE project file number.
- e) The assets acquired wholly or substantially out of grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the AICTE and should at any time the institution cease to function, such assets shall revert to the AICTE.
- f) The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/ Government of India from time to time. GOI GFR rules (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.




PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thane, Kalawadi, Pune-411 037

Date:29.11.2019

F.No.9-313/RIFD/MOD/Policy-I/2018-19

List of Equipment's approved :

Name of Equipments
Rotary Evaporator Spectrofluorophotomete

Yours sincerely,



Prof. Dileep N. Malkhede
Advisor-1 (RIFD)


16 DEC 2019

Copy forwarded for information and necessary action to:

1. ✓ Name and Address of the Coordinator,
Dr. MANOHAR PATIL,
MARATHWADA MITRA MANDAL'S COLLEGE OF PHARMACY,
S. NO.4/17,SECTOR NO.34, PCNTDA, OFF KALEWADI PHATA-PIMPRI ROAD,
THERGAON(KALEWADI) Maharashtra -411033
2. The Registrar / Director / Principal,
MARATHWADA MITRA MANDAL'S COLLEGE OF PHARMACY,
S. NO.4/17,SECTOR NO.34, PCNTDA, OFF KALEWADI PHATA-PIMPRI ROAD,
THERGAON(KALEWADI) Maharashtra -411033
3. Guard File

Prof. Dileep N. Malkhede
Advisor-1 (RIFD)




PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033



Savitribai Phule Pune University
(Formerly University of Pune)
Pune – 411007.
Internal Quality Assurance Cell (IQAC)

To,
Sachin Kamlakar Jagdale,
Lecturer,
Marathwada Mitra Mandal Marathwada Mitra
Mandals College of Pharmacy Addr: Sr No
4/17Sector No 34PCNTDA Kalewadi Phata
Pimpri RdThergaon Kalewadi Ta: Pimpri
Chinchwad (corporation Area) Dist: Pune
Subject: - Sanction of ASPIRE Research Mentorship Grant

Dear Researcher,

'ASPIRE Research Mentorship Grant' is an ambitious research funding scheme to identify young research talent in the university departments, colleges and institutions, affiliated to Savitribai Phule Pune University. The aim of providing the seed funding is to inculcate a research culture and to enable them to go forward for major financial assistance from national or international funding agencies.

The research talent is identified through rigorous screening / evaluation process by nationally and internationally renowned experts in the field, from amongst thousands of proposals received.


I am pleased to inform you that your project entitled **Design and development of novel nano-emulsified in situ gel for the ophthalmic controlled delivery of aceclofenac** has been provisionally selected for research funding of **Rs.230,000.00** in the ASPIRE Research Mentorship Scheme for the year 2019-21.

As a young researcher receiving this grant, we expect you to carry out your proposed research, in the best possible manner and report to us, periodically, about the outcome, utility and impact of your work. Such a progress report is mandatory at the end of every six months, from the date of issue of this letter. The progress made in the first year will be evaluated by an expert panel, for guidance and evaluation. Needless to mention, that the progress during the first year shall form the basis for continuation of the project for the remaining year.

I specifically draw your attention to the rules and guidelines of the ASPIRE scheme, which are available at the following link -

bcud.unipune.ac.in/BCUD_Research/Aspire_PDF/ASPIRE_Guidelines_Final_Draft.pdf




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Thergaon (Kalewadi), Pune-411 007

Please accept our heartiest congratulations to you and the leadership of your institution on such a prestigious selection.

Best Wishes




Dr Prafulla A. Pawar
Director,
Internal Quality Assurance Cell (IQAC)

Important:

Please Note the following

1. The Acceptance letter is required to be signed by the investigator and forwarded through the Head of the Department or Principal of College or Director of Institute, in the prescribed format.
2. You are requested to submit revised budget as per the amount sanctioned within 7 days after notification, so that the funds can be released. The sanctioned budget needs to be utilized strictly according to ASPIRE guidelines and the Ordinance 151 of the University.
3. If the expert panel is not satisfied with the progress in the first year, they university may proceed to recover the sanctioned amount with interest.



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Dr. A Mukhopadhyay
Head
R&D Infrastructure Division
Email: tsd@nic.in
Tel. + Fax: 011-26602193

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
विज्ञान और प्रौद्योगिकी विभाग
टेकनोलॉजी भवन नया महाराष्ट्री मार्ग नई दिल्ली - 110016

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
Department of Science & Technology
Technology Bhawan, New Mehrauli Road, New Delhi-110016

SR/FST/College - 134/2017

16th January 2018

Subject: Your Proposal under "FIST Program - 2017"

Dear Sir,

This is in connection with the aforesaid proposal submitted by your Department/ Centre / College for support under the FIST Program of DST. We are happy to inform you that the aforesaid proposal has been identified for support in Level - 0 / Level-I / Level II category by the DST based on the recommendations of the FIST Advisory Board (FISTAB). The details of the recommendations for 5 years duration of the project are given below:

To strengthen Research Facilities in all Science departments of the College.

[Being Private Institute, no Teaching support.]


E - Rs 45 lakh for items to be identified for Research Facilities:

Total: Rs 45.0 Lakh

It may be noted that the allocations indicated now above with respect to any Equipment or any other budget heads are the upper limit of the budget as they are purely based on recommendations and also tentative. However, Department shall now finally firm-up specifications/ configurations of each Equipment, Computational & Networking facility in Computer Lab, Infrastructure Facility as recommended above for acquiring by the Department/ Centre/ School/ College and actual cost of this project shall be firm up based on these inputs from you. The support for the 'Maintenance' will be provided as per norms under FIST Program. The type of equipment and its specifications/ configurations finalized now by the Department/ Centre/ School/ College would not be possible to change during the course of implementation of the said project. For enabling us to process the case further, including the release of 1st instalment of grant now, you are requested to please upload the following documents latest by before 5th February 2018 (Monday) only through e-PMS webportal of the DST using the registered USER ID and PASSWORD:

- 1) One each Budgetary Quotation from Equipment supplier (all-inclusive i.e. Custom Duty, Bank & other Charges) for all Equipment recommended for support. Please ensure that the budgetary cost is not an inflated one with respect to its specifications given. In case, Equipment list "to be identified & prioritized", please submit quotations of the identified & prioritized Equipment only. Under 'Teaching Facility Support' for Colleges, only laboratory equipment to be utilized for experimental purposes shall be proposed. Teaching Aids like LCD Projector, Smart Board, etc. are out of scope under FIST support and shall not be projected by the College.
- 2) Details plans for implementation of the 'Networking and Computational Facilities' (NW) under the support as per guidelines mentioned in the Terms and Conditions of DST-FIST Program available at the Website: www.fist-dst.org.
- 3) Details & their cost estimates of items/ activities recommended & proposed under 'Infrastructure Facility' which includes the list of Books, etc.




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The Department/ Centre/ School or College who have already enjoyed support earlier under FIST Program and recommended for **Repeat Support** now, shall need to complete all formalities i.e. submission of Project Completion Report, Audited Financial Statements, refund of unspent funds etc. for the previously supported project under DST-FIST Program. Processing towards releasing the grants to such Department/ School/ Centre would not be possible to initiate without completion of all formalities for the previous project. **Blank Format** towards closure of previous project is also available at the Website: www.fist-dst.org.

Departments/ Centres/ Schools/ College are also requested for sending all documents at one stage instead of sending in parts by Post only. Please avoid of sending these documents by Email as well as at the last moment. Incomplete documents submitted by any Department/ Centre/ School/ College would be unable to process for releasing grants and the matter would be kept pending maximum for six months, beyond which recommendations for the Department/Centre/School/ College deemed to be forfeited automatically for considering support under DST-FIST Program.

We look forward for kind cooperation from you in this regard and if any clarifications are needed, please feel free to contact us. **Please upload the above documents before 6th February 2018 (Monday).** All documents will be required to upload only through e-PMS webportal of the DST. Documents may not be sent by E-mail for releasing fund.

With best regards.

A. Mukhopadhyay
(A. Mukhopadhyay)

To

Principal,
Marathwada Mitra Mandal's College of Pharmacy,
Sr. No. 4/17, Sector 34, PCNTDA, Off. Kalewadi Phata-
Pimpri road, Thergaon (Kalewadi),
Pune-411033
Maharashtra

[Note: E – Equipment, NW – Networking & Computational Facility, IF – Infrastructure facility, M – Maintenance]



Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033
Inward No. MM/CP/3016
Date 20/01/2018
File No. _____ Sign *Jadhav*

[Handwritten Signature]

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Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033



COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033
Inward No. MM/COEP/2757
Date 15.12.16
File No. _____ - Sign. JPS

Savitribai Phule Pune University

(Formerly University of Pune)

Pune: - 411 007

Board of Colleges and University Development

Ref. No:- OSD/BCUD/392/105

Date:- 11/11/2016

To,

The Principal

MMM's College of Pharmacy, Sr g)

No 4/17, Sector No 34, PCNTDA Kalewadi

Phata, Pimpri Rd, Thergaon Kalewadi, Pimpri

Subject: - Sanction of BCUD research Proposals for 2016-17 to 2017-18.

Dear Sir /Madam,

With reference to the acceptance letter and revised budget of the research proposal received from Principle Investigator, the University authorities are pleased to approve the project submitted by the following Principle Investigator/s along with the sanctioned amount shown against their name/s for year 2016-17 to 2017-18.

Sr. No.	Full Name	Sanction Amount
1	Babita Anil Agarwal	190000/-
2	Sampada Dhaval Dalvi	180000/-
3	Shailendra Sharad Salvankar	140000/-
4	Kavita Nilesh Yadav	230000/-
5	Manohar Janardhan Patil	275000/-
6	Digambar Balkrishna Ambikar	240000/-
	Total	1255000/-

The 1st Installment of the sanction research project has been released. The Project period will be two year from the sanction date of the proposal. The 1st Audit of the sanctioned project will be conducted in month of March 2017. You are requested to inform the concerned teacher.

The amount should be released to Principal Investigator within eight days after receiving of the 1st installment. The Utilization of the grant should be done as per the guidelines.

Details about the Norms and Guidelines can be download from www.unipune.ac.in

Dr. Ravindra G. Jaybhaye
OSD/BCUD



Dr. V. B. Gaikwad
Director, BCUD

PRINCIPAL
Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 033



Savitribai Phule Pune University

(Formerly University of Pune)

Pune: - 411 007

Board of Colleges and University Development

Ref. No:- OSD/BCUD/1379

Date:- 27/03/2015

To,
The Principal,
Marathwada Mitra Mandal's College of Pharmacy
Addr: Sr No 417, Sector No 24, PCNTDA,
Kalewadi Phata, Pimpri Rd, Thergaon Kalewadi

Subject:- Sanction of BCUD research Proposals for 2014-15 to 2015-16.

Dear Sir/Madam,

With reference to the acceptance letter and revised budget of the research proposal received from Principle Investigator, for University authorities are pleased to approve the project submitted by the following Principle Investigator's along with the sanctioned amount show against their name's for year 2014-15 to 2015-16.


Sr. No.	Full Name	Sanction Amount
1	Rahul Das Khiste	160000/-
✓	Mukesh Pandurang Patangarkhi	120000/-
	Total	280000/-

The 1st Installment of the sanction research project has been released. The Project period will be two year from the sanction date of the proposal. The 1st Audit of the sanctioned project will be conducted in month of January 2016. You are requested to inform the concerned teacher.

Details about the Norms and Guidelines can be download from www.unipune.ac.in


Dr. Ravindra G. Jaybhaye
OSD/BCUD




Dr. V. B. Gaikwad
Director, BCUD


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Thergaon (Kalewadi), Pune-411 033



University of Pune

Pune: - 411 007

Board of Colleges and University Development

Ref. No:- OSD /BCUD/360/90

Date:- 27/11/2013

To,
The Principal,
Marathwada Mitra Mandal's College of Pharmacy
Addr: Sr No 4/17, Sector No 34, PCNTDA
Kalewadi Phata, Pimpri Rd, Thergaon Kalewadi

Subject:- Sanction BCUD research Proposals for 2013-14 to 2014-15.

Dear Sir /Madam,

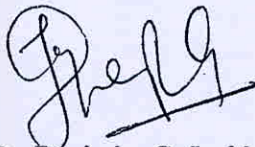
.. With reference to the acceptance letter and revised budget of the Research Proposals received from Principle Investigators the University authorities are pleased to approve the projects submitted by the following Principle Investigators along with the sanctioned amount show against their names for year 2013-14 to 2014-15.


Sr. No.	Full Name	Sanction Amount
1	Pramod Liladhar Ingale	180000/-
2	Anuradha Arvind Ranpise	100000/-
3	Prasad Vijay Kadam	210000/-
4	Pravin Janardhan Patil	210000/-
	Total	7,00,000/-


The 1st Installment of the Sanction research project has been released. You are requested to inform concerned teachers.

Details about the Norms and Guidelines can be download from www.unipune.ac.in




Dr. Ravindra G. Jaybhaye
OSD/BCUD


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Marathwada Mitra Mandal's
COLLEGE OF PHARMACY
Thergaon (Kalewadi), Pune-411 007


Dr. V. B. Gaikwad
Director, BCUD

MODROB Short Research Proposal submitted to AICTE, New Delhi
for funding


Title of the Research Project:

To Develop Inventive TSM's Formulations with Contemporary Technology

Abstract:

Medicines or drugs of Allopathy system is often criticised for its treatment of the symptoms rather than the cause of the disease, harmful side effects and for being out of poor people due to the high cost of drugs and treatment. In contrast to this WHO defines traditional systems medicines (TSM) as including diverse health practices, approaches, knowledge and beliefs incorporating plant, animal, and/or mineral based medicines, manual techniques and exercises which can be used to maintain well-being, as well as to treat, diagnose or prevent illness. Modern Pharmacognosy and phytochemistry is molecule-based, and often single-molecule based. Moreover, numerous disorders affect a variety of biochemical processes and thus the single-molecule approach is inadequate. It is here that a multi-component mixture becomes useful. Traditional medications of the Ayurvedic, Unani, Siddha, or oriental schools are invariably mixtures, extracts from plants and herbs (and occasionally animals). The approach of the traditional physician is thus qualitatively different from the allopathic physician. Enough of information is not available on the quantitative parameters of these TSM's Formulations to guarantee the quality, safety and Efficacy of the product to the consumer. It is therefore essential and significant to establish qualitative and quantitative standards for these preparations. The possible avenues of investigations using the tools of modern science for the characterization, validation and improvement of these traditional products are indicated.





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Expected outcome of Proposal

- ❖ The history of development of pharmaceutical dosage forms can be traced back to presence in systematic documentation of Traditional Systems of medicines.
- ❖ Plan of the project involves a multidisciplinary approach i.e develop inventive TSM's Formulations with contemporary technology, which would elaborate the technological details of these formulations.
- ❖ It is also planned to study the scope for futuristic development in the area of standardization of TSM's formulation and their biomedical applications using the tools of modern techniques.
- ❖ These activities would help in directing student's interest in research involving traditional medicines.
- ❖ Thus, the outcome of project is to fulfill the commitments of academic requirement, to establish research activities of high standards and at the same time great help to society.
- ❖ The outcome is aimed for the development of commercial value to the products which will be of help to the society and economy of the country.
- ❖ The Department will support traditional system of medicines and develop their importance through this project.
- ❖ The Department value the social responsibilities and wishes to fulfill the commitment through competence with technological excellence.





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Objectives:

Though knowledge about traditional formulations exists in literature as well as in practices, is still faces a challenge of analytical standardization as per regulatory guidelines. There was little effort to develop creative formulations inspired by TSM. Thus the objective of the current project is to develop inventive TSM's Formulations with contemporary technology. It is also planned to study the scope for futuristic development in the area of standardization of TSM's formulation and their biomedical applications using the tools of modern techniques.

- ❖ To explore the traditional process of drug manufacturing in a view of modern techniques.
- ❖ To achieve the modernization of lab to meet the research and academic needs of the department.
- ❖ To Develop and nurture the research workforce.





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Benefit to Student & Staff:

- ❖ The benefits of a grant extend beyond the project or even degree. The project grants help student to build a reputation as a committed scholar and forge the connections with the research community to generate more opportunities once they complete their degree.
- ❖ In terms of research, both graduate and post graduate students receive hands-on research training by participating in funded research projects.
- ❖ The grants receive can help students to take their research work to a new level with access to Modern and creative TSM's formulations and modern equipment.
- ❖ Equipment utilizes advanced technology and enables multiple research groups to use the processor for diverse applications.
- ❖ For faculty the ability to make a case for their work, and convince others to support it, is a useful skill wherever they go. And having grant credits on their resume or curriculum vitae says a lot to even future research funders.
- ❖ Develop the expertise amongst the faculty which can be used to fetch industry sponsored projects and to render consultancy services to industry.
- ❖ Creating research partnerships in the public and private sectors
- ❖ Support the development of interdisciplinary research teams.




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Current lab utilization

The Department has 1 UG lab and 2 research labs along with support from other departmental laboratories including Machine room (Industrial Pharmacy lab), Aseptic room, Central instrumentation facility, CPCSEA approved animal house facility.

Departmental labs are utilized to conduct Undergraduate and Post graduate practicals, practicals of various subject covered under pharmacognosy like Systematic Pharmacognosy, Quality control of natural product, Isolation and Characterization of natural Products, Preparation and Evaluation of polyherbal, ayurvedic and cosmetic formulations.

Research labs are utilized to conduct the research activities for the thurst areas like Pharmacological & Phytochemical screening of Herbal Drugs. Isolation & Characterization of Phytoconstituents. Preparation & Standardization of Polyherbal & Ayurvedic Formulations.


Strength:

- Qualified, highly motivated and focused faculty with a Technical Competency and coping with ever-changing trends in Pharma. Technology.
- Availability of Well-equipped pilot plant, CPCSEA approved animal house, Central instrumentation facility with the advance instruments, aseptic room facility,

Weakness of lab:

- As a self finance institute it is difficult for institute to produce State of the art and ultramodern facilities at the department due to ever increasing costs of such instruments.




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Relevance/Improvements in the Scope of old experiment conducted

- ❖ TSM's comprises of various types of medicines. These are regarded as valuable therapeutics due to their efficacy and desirable features.
- ❖ The department works on Preparation and Evaluation of TSM's formulations by using traditional process as per literature.
- ❖ For a long time Traditional medicines were not considered for development as novel formulations owing to lack of scientific justification and processing difficulties, such as standardization, extraction and identification of individual drug components in complex systems.

It gives improvements over conventional processes/experiments like

- ❖ The project explores the advantages of traditional formulations.
- ❖ The drugs of TSM's origin can be utilized in a better form with enhanced efficacy by incorporating in modern dosage forms.
- ❖ The project offers a glimpse on the traditional medicines to be incorporated in novel drug delivery system using a scientific approach to overcome non-compliance, and also help to increase the therapeutic value by reducing toxicity and increasing the bioavailability and so on.
- ❖ The current project focuses on the possible avenues of further investigations using the tolls of modern science for the characterization, validation and improvement of traditional processes.
- ❖ The outcomes of this project would provide information that can support to the ability to make sound and safe decisions and give the consumer a better product in terms of safety and efficacy.





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Technical Novelty & Utility

- ❖ TSM's formulations are the dosage form probably results into transformation of several phytochemical compounds present in the herbs, minerals, metals and nonmetals used to prepare it.
- ❖ The formulations system used in TSM is traditional but during entire civilization it has not been flourished properly, resulting in reduced efficacy of these systems.
- ❖ The proposed project involves establishing standardization parameters and evaluation of the therapeutic claims of traditional preparation of these TSMs formulations by using modern analytical techniques.
- ❖ The information will be of use to develop newer strategies to evaluate these traditional formulations in a vision of contemporary technology.
- ❖ The design of the project is such that the outcome achieved would be of technology transfer.
- ❖ This will diminish the barrier between the traditional technology and modern technology by completely utilization of modern formulations and analytical methods.
- ❖ The project will also significantly provide the added advantages of the traditional methods of formulation development which will provide commercial application as well as patentability.




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MODROB Proposal submitted to AICTE, New Delhi for funding

8.2.3	Details of the lab to be funded under MODROBS proposal		
8.2.2	Details of the Project Coordinator		
(a)	Faculty ID		
(b)	Name of the Coordinator	Dr. Manohar J. Patil	
(c)	Department	Pharmacognosy	
(d)	Appointment Type	Regular	Temporary Adhoc
(e)	Contact details	Cell no – 9423239325	Email drmanoharpatil@yahoo.com
(a)	Title of the Project proposal		
(b)	Name of the Lab to be funded		Pharmacognosy Lab
(c)	Department under which the lab is established		Pharmacognosy
(d)	AICTE approved Course of the department		B. Pharmacy M. Pharmacy - Pharmacognosy




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8.2.4 Academic credentials of Coordinator

	Parameter/ Criteria	Input by Institute	Input by Institute	Max. Marks	Marks Awarded by the System <Value to be generated by E-GOV>	Marks Awarded by the Experts
(a)	PG	Yes	Pharmacognosy	1	Yes = 1 mark No=0 mark	1
(b)	Ph. D	Yes	Pharmaceutical Sciences	3	Yes = 3 mark No=0 mark	3
(c)	Teaching Experience in years	28 Years	He had Taught various subject at graduate and post graduate level in pharmacognosy	2	1 to 5 years= 1 mark More than 5 years=2 marks	2
(d)	Research & Industrial Experience in years	Research experience- 11 Years	Research experience- 11 Years – 09 years BCUD SPPU Project/Industrial projects + 02 years of Ph. D. Research topic	2	1 to 3 years= 1 mark More than 3 years=2 marks	2
(e)	Number of Publications in last 3 years (National / International journals)	12		2	1 to 3 publications= 1 mark More than 3 publications=2 marks	2
(f)	Number of Patents Registered	03		2	1 or more patent=2 marks Zero patent=0 mark	02
(g)	Relevant experience of conducting / coordinating similar programmes	Yes 09 years of experience to carry out a project sponsored/Funded by BCUD SPPU Pune & Industry	He has a experience of conducting sponsored project from AICTE, BCUD, SPPU, Pune	3	1 Program=1 marks 2 Program=2 marks More than 3 programs= 3marks	03



2

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	from AICTE and other funding agencies in past three years	Sponsored Research Projects				
		Sub Total		15	<Automated Total>	15

Publications:

Research Projects:

- 1.
2. Identification and Screening of Bioactive Fraction of *Strychnous potatorum* for its Antidiabetic Activity. (BCUD-SPPU, Pune)(2013-2016)
3. Chondroprotective Effects of Ariflex Tablet in Rat Model of Osteoarthritis. (Ari Healthcare Pvt. Ltd, Pune)(2016)
4. Heavy Metal Complexes and Ayurvedic Processing for their Neuroprotective Activity. (SG PhytoPharma Pvt. Ltd. Kolhapur)(2013-2014)
5. Extraction and Evaluation of Herbal Pharmaceutical Excipients. (BCUD-SPPU, Pune)(2009-2012)



[Handwritten Signature]

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8.2.5 Credential of Institution / Department

	Parameter/ Criteria	Input by Institute	Input by Institute	Max. Marks	Marks Awarded by the System <Value to be generated by EGOV>	Marks Awarded by the Experts
(a)	Type of Institute: (Whether selected under TEQIP)	No	<Input by Institute, attach proof>	5	Yes= 5 marks No= 0 Marks	
(b)	Number of Years existence	11 Years	<Data base of E-Gov>	10	10 to 15 years= 5 marks 16 to 20 years= 7 marks More than 20 years= 10 Marks	
(c)	Number of courses Accredited in the Institute.	01	<Input by Institute>	10	<1 = 5 marks> <2 = 7 marks> <more than 3 = 10 marks>	
(d)	Whether the course under which the proposal is submitted, is accredited by NBA?	Yes	<Input by Institute>	10	<if yes= 10 marks No= 0 marks>	
			Sub Total	35	<Automated Total>	



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8.2.6 Justification of the project:					
(a) Major equipment available in the lab <Input by Institute>					
	Sr. No.	Name of equipment	Make and model	Cost in Rs.	Year purchased
	1	Differential Scanning Calorimeter	Mettler Toledo DSC – 1	15,88,791	2014
	2	HPLC	Agilent Technology-1260 quaternary HPLC	10,76,263	2015
	3	Lyophilizer	Martin Christ – Alpha 1-2LD Plus	5,49,731	2012
	4	Probe Sonicator	Sonics vibra cell VCX 750	3,87,292	2012
	5	Spray Dryer	Labultima VCX-750	6,81,000	2012
	6	Digital Microscope	Motic, B1 Advanced Series 223	1,25,000	2011
	7	FTIR	Shimadzu – IR Affinity 1	9,65,668	2012
	8	Rotary Vacuum Evaporator	Evator, EV11.AJM.005	80340	2011
	9	Cooling Microfuge	Remi Elektrotechnik Ltd, CM-12	94209	2012
	10.	Rotary Tableting Machine	CIP Machinery-CIP 12 STN Multitooling	185000	2009
	11	All Purpose Equipment	Shakti Pharmatech Pvt. Ltd.	390590	2012
	12	Pharma R & D Coater	Ideal Cures Pvt. Ltd, Deluxe	281250	2011
	13	Dissolution Test Apparatus	Electrolab	150000	2011
	14	Plethysmometer	VJ Instruments, v1.8Ink	253125	2012
	15	Autoanalyser	Biochemical Systems International Srl	517500	2012



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 Thergaon (Kalewadi), Pune-411 03

8.2.7 Budget Estimates – Non Recurring						
(a)	S. No	Proposed equipment/s	Specifications	Number of units	Estimated Cost in Rs.	justification
	1.	Rotary Evaporator	The Rotary evaporator with either an electronic or manual lift, include the Heating Bath, a glass assembly of choice with multiple options, the Interface, vacuum pump and recirculating Chiller	01	600,000/-	<ul style="list-style-type: none"> • Drug discovery and development require safe, efficient and compliant sample preparations and analytics. • Rotary evaporation is work by lowering the pressure and boiling at a lower temperature, solvents with high boiling points are removed efficiently without the occurrence of unwanted side reactions. • Rotary evaporators are used in molecular cooking for the preparation of distillates and extracts, Concentration of solutions, reclamation of solvents, vacuum drying of wet solids and degassing of liquids these are the critical processes in preparation of conventional as well as traditional formulations. • Now a day they are mainly involved in the preparation of Novel Drug delivery systems formulations, which is the part of the current project. • These are very useful not only in laboratory but also in production activity articularly on pilot scale / kilo lab scale




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	2.	Spectrofluorophotometer	<ul style="list-style-type: none"> • Wavelength Range for excitation and emission from 200 to 900nm; • Accuracy +/- 1.0nm; Signal-to-noise >350(peak to peak); • Wavelength slewing speed about 60,000nm/min. • Accessory kit should be added for operation • Quartz Cell Polished on Four Sides • Solid(Powder) Sample Holder 	01	850,000/-	<ul style="list-style-type: none"> • Fluorometry is chosen for its extraordinary sensitivity, high specificity, simplicity, and low cost as compared to other analytical techniques for characterizing molecular environments and events, it is a valuable analytical tool for both quantitative and qualitative analysis. • Fluorescence output is linear to sample concentration over a very broad range and is ordinarily more sensitive than absorbance measurements. • It is a widely accepted and powerful technique that is used for a variety of Pharmaceuticals, natural, industrial, forensics, genetic analysis, and biotechnology applications. • The current project involves a standardization protocol, which mainly consists of analytical fingerprinting using chemical marker systems where the Spectrofluorophotometer plays a significant role • The analytical standardization of Ayurvedic formulations using Spectrofluorophotometer will be an added advantage over the ordinary spectroscopic evaluation, since it will create a new technique of standardization.
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PRINCIPAL
 Marathwada Mitra Mandal's
 COLLEGE OF PHARMACY
 Thergaon (Kalewadi), Pune-411 03

Abstract of DST FIST Proposal submitted for Funding

The proposal was written with the aim of promoting continuing education and for promoting interdisciplinary research.

Post Graduate Teaching:

The Pharmacy post graduates are required to learn and acquire in-depth knowledge, necessary skills to take up various professional positions in the pharmaceutical sector. At MMCOP the laboratory experiments are set in such a way that the required skills are adopted by the students. In our institute the instruments are of the market leading brands wherein students get the practice of using them during their practical sessions. This makes them industry ready as they get the training on the instruments which they are going to use in industry. Moreover few extra experiments are conducted which are apart from the syllabus to bridge the curricular gap. Moreover, each student is given knowledge and Cognitive skill based assignment. The college is running 03 PG programs since year 2010 in the subject Pharmaceutics, Quality Assurance Techniques and Pharmacognosy. The students of M.Pharm I year have to learn their core subjects as well as some common or elective subject Whereas M.Pharm final year student has to carry out research project in their field of specialization. At MMCOP we emphasize on some unique features such as:

Use of Problem Based Teaching Learning / Use of Scenario Analysis Teaching: Teaching learning is made more effective by giving the Mini Projects and Case Studies Pertaining to Pharmaceutical Manufacturing, QA / QC, Distribution and Market Analysis.

Industrial Exposure: To get acquainted with the industrial system and procedures, to build up their confidence regular industry visits and training sessions from industrial experts are organized.

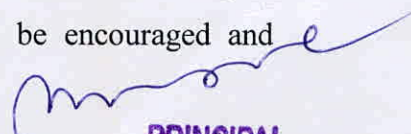
Continuing Education (Training of trainers): so as to give the best updated knowledge and skill the teachers should be updated for current development in the field hence the college deputed faculty and non-teaching staff are regularly for various faculty development programs and trainings.

Healthy Practices: Healthy Practices in Pharmaceutical Education such as Value Based Education, Social Responsibilities, Good Citizenship Role, Innovations, Institutional Ambience, Soft Skill Development etc. are effectively

Research

The future plan is to promote interdisciplinary research so that the each stakeholder gets benefited. The research in the college for the next five years will be encouraged and




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supported as well to cater the need of the society at large by carrying out quality inter disciplinary research in some of the thrust areas of research such as CNS targeting through nasal route to treat brain cancer, Alzheimer's disease, Parkinson's disease, depression, psychoses and other CNS disorders using nano-particulate drug delivery system.



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सत्यमेव जयते
Ministry of Science & Technology
Government of India

Project Proposal On

FIST- PROJECT (Level-0)

Submitted to:

Division :R & D Infrastructure

Programme or Scheme :FIST PG College Level O

Submitted By

Project Investigator:

Dr. Manohar J Patil

**MARATHWADA MITRA MANDALS' COLLEGE OF PHARMACY-
Pimpri Chinchwad**



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Pimpri Chinchwad (Kalewadi), Pune-411 033

FIST – 2017

Application for PG Colleges at Level – 0

1. a) Name of the College & Year of Establishment
Marathwada Mitra Mandal's College of Pharmacy, Year of Establishment- 2006.
 - b) Name of the post-graduate Departments & Year of Commencement of PG Program
 1. **M. Pharm in Pharmaceutics – 2010**
 2. **M.Pharm in Pharmacognosy- 2010**
 3. **M.Pharm in Quality Assurance Technique – 2011**
 - c) Address for correspondence including Telephone, Telegram, FAX, e-mail etc.
**Marathwada Mitra Mandal's College of Pharmacy,
Sr. No. 4/17, Sector 34, PCNTDA, Off. Kalewadi Phata- Pimpri road,
Thergaon (Kalewadi), Pune-411033
Email: drmanoharpatil@yahoo.com, mmcopharm@yahoo.co.in, Web: www.mmcop.edu.in
Phone: 020-64100841**
 - d) Year of Commencement of PG Program in the Department & its Financial Status
(General/Self-financed)
Year of Commencement-2010, Self-financed
2. Status of the College (attach supporting documents)
- a) Academic Status [Affiliated College/ Autonomous College/ Constituent College]
Affiliated College
 - b) Financial Status [Govt./ NGO or VO (includes all Govt. aided Colleges) / Private (self-financed)]
Private (Self-financed)


All Colleges please upload along with the proposal and send by post along with the print version of the online submitted proposal:

- i) Copy of 2 (f) and 12 (B) Certificate issued by UGC;
- ii) Please download 'Terms & Conditions' of DST-FIST Program (www.fist-dst.org), fill the same and upload after having the endorsement of the concerned officials; send original copy by post along with the print version of the online submitted proposal;
- iii) Constitute a 'Project Implementation Group' comprising of a few faculty members who shall be responsible & accountable for implementation of the project and provide the names of the Group Members to DST;

For Aided Colleges: Upload a copy of most recent Salary Sanction Order issued by any State/ Central Govt. agency by post along with the print version of the online submitted proposal;

For Aided & Private Colleges: Register at the DARPAN Portal of NITI Aayog. Upload the information on the Unique ID for the College after registration with the online application and also send by post along with the print version of the online submitted proposal.




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3. Whether the College is accredited by NAAC/ NBA or any other relevant agency. If so, please specify the Grading or Rating by those Agencies:

Name of Agency done Accreditation	Grading or Rating	Year of Accreditation
National Board of Accreditation	For 3 years	2014

4. Department-wise Number of Faculty Members with Qualifications:

Name of UG and PG Departments	Number of Faculty Members	Qualifications
B. Pharm	UG - 17 PG - 08	Post-graduate – 16 Doctoral – 09
M. Pharm (Pharmaceutics)	04	02 PG, 02 Ph.D.
M. Pharm (Quality Assurance Technique)	02	01 PG, 01 Ph.D.
M. Pharm (Pharmacognosy)	02	01 PG, 01 Ph.D.

5. Department-wise Number of Students during last three years admitted and passed:

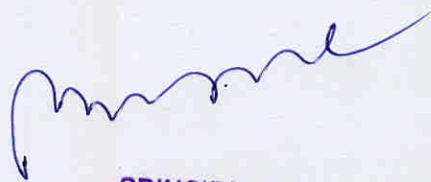
Name of PG Department	Admitted			Passed		
	2014	2015	2016	2014	2015	2016
Pharmaceutics	15	09	09	16	15	Result awaited
Quality Assurance Technique	04	02	02	11	04	Result awaited
Pharmacognosy	02	03	01	00	00	Result awaited

6. Department-wise percentage Cut-off Marks of students admitted during last three years:

Name of UG/PG Department	% -Cut-off Marks in UG Level Admission			% -Cut-off Marks in PG Level Admission		
	2014	2015	2016	2014	2015	2016
B. Pharm	MHT-CET 48	MHT-CET 56	MHT-CET 44	NA	NA	NA
M. Pharm Pharmaceutics	NA	NA	NA	CET-27 GPAT-123	CET-46	GPAT-54
M. Pharm QAT	NA	NA	NA	GPAT-106	CET-43 GPAT-129	GPAT-51
M. Pharm Pharmacognosy	NA	NA	NA	CET-37 GPAT-128	CET-82	GPAT-76

NA- Not Applicable




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7. **University Rank of Students at UG and PG Level University Examinations:**

UG and PG Programs	University Ranks during last 3 years		
	2014	2015	2016
B.Pharm	Not provided by University	Not provided by University	Not provided by University
M.Pharm Pharmaceutics	Not provided by University	Not provided by University	Not provided by University
M.Pharm QAT	Not provided by University	Not provided by University	Not provided by University
M.Pharm Pharmacognosy	Not provided by University	Not provided by University	Not provided by University

8. **Number of Students qualified NET/GATE/INSPIRE or any other qualifying examination during last 3 years.**

Number of student qualified GPAT in 2016

Sr. No	Name of Student	GPAT Score
1	Pathak Mayuri	156
2	Walunekar Amol	150
3	Wagh Jayant	137
4	Lohar Priyanka	134
5	Gaikwad Snehal	112
6	Pawara Dinesh	98
7	Jadhav Swati	94

Number of student qualified GPAT in 2015

Sr. No	Name of Student	GPAT Score
1	Markad Rushikesh	155
2	More Namdev	145
3	Deshmukh Amol	139
4	Mangdare Prasad	137
5	Thalkari Yogita	135
6	Paul Sushant	122
7	Lad Prasad	118
8	Bhore Pranali	110



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Number of student qualified GPAT in 2014

Sr. No	Name of Student	GPAT Score
1	Shaikh Akbar	216
2	Panmand Priyanka	140
3	Gadhve Nyandev	138
4	Dhage Aruna	130
5	Kothekar Rupali	129
6	Upadhya Jayashri	128
7	Gund Amol	127

Number of students qualified NIPER entrance and admitted in 2016

Sr. No.	Name of student	Name of Institute	Rank
1.	Wagh Jayant Ramakant	NIPER, Ahmadabad	682
2.	Lohar Priyanka Yogesh	NIPER, Ahmadabad	NA
3.	Jadhav Swati Appasaheb	NIPER, Mohali	NA
4.	Walunjakar Amol Subhash	NIPER, Mohali	274
5.	Pathak Mayuri Vidyadhar	NIPER, Mohali	102

Number of students qualified NIPER entrance and admitted in 2015

Sr. No.	Name of student	Name of Institute	Rank
1	Amol Deshmukh	NIPER, Ahemadabad	NA
2	Namdeo More	NIPER, Ahemadabad	NA
3	Sushant Poul	NIPER, Guvahati	NA
4	HrushikeshMarkad	NIPER, Mohali	NA

Number of students qualified NIPER entrance and admitted in 2014


Sr. No.	Name of students	Name of Institute	Rank
1.	Shaikh Akabar	NIPER, Mohali	NA
2.	DhageAruna	NIPER, Mohali	NA

NA- Not available with college as these students hasn't submitted their score cards.

9. Name of the Departments supported already in the College under FIST Program:

UG and PG Programs	No. of Students qualify NET/GATE/INSPIRE etc. during last 3 years		
	2014	2015	2016
None so far.	07	08	07




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10. Indicate the development grant received from UGC/AICTE during the Eleventh and Twelfth Plan.

	<u>11th Plan</u>	<u>12th Plan</u>
Building	Nil	Nil
Equipment (Rs.)		
AICTE (Modrob) -	14,00,000	
AICTE (RPS) -	9.20,000	
AICTE (IIPC) -	8,00,000	

11. Has the College received any major infrastructure research grant during the last five years from S&T agencies including UGC/AICTE? If yes, details.

Heads Name of Agency/ Scheme with year and amount


Building	Nil
Equipment	AICTE (Modrob) - 14,00,000 AICTE (RPS) - 9,20,000 AICTE (IIPC) - 8,00,000
Books	Nil
Supplies and Materials	Nil
Computing & Networking	Nil
Facilities	Nil

12. Details of research grant received from different agencies during the last five years:

YEAR WISE SPONSORED RESEARCH PROJECTS

Sr. No	Academic Year	Name of Principal Investigator	Research Project	Grant Rs. in Lakhs	Status
1	2016-17	Dr. Manohar J. Patil	Ecochemicals: An Evolution of Ecological Phytochemistry	2.75	
2		Mrs. Babita A. Agarwal	Implementation of Design of Experiments for Optimization of Forced Degradation Conditions	1.90	
3		Dr. Digambar B. Ambikar	Neuroprotective Activity of Green Tea Flavonoids in Parkinson's Disease Models of Zebrafish.	2.40	




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4		Mrs. Sampada D. Dalvi	Studies on CYP450 Based Drug Metabolism Using RP-HPLC	1.80	Ongoing (2016-18)
5		Mrs. Kavita N. Yadav	Phytoalexins: A Novel Remedy	2.30	
6		Mr. Shailendra S. Salvankar	Design & Development of Nasal Drug Delivery System for Brain Targeting	1.40	
7	2014-15	Mr. Mukesh P. Ratnaparkhi	Design And Evaluation of Targeted Delivery Of Gefitirib Using Polyethylene Glycolated Multiwall Carbon Nanotube	1.20	Completed (2014-16)
8		Mr. Rahul H. Khiste	Design, Synthesis and Biological evaluation of Some Novel Triazolo-oxadiazole Derivatives	1.60	
9	2013-14	Dr. Pramod L. Ingale	Drug Development and Validation of RP-HPLC Method for Determination of Antihypertensive Drugs in Biological Fluids	1.80	Completed (2013-15)
10		Mr. Pravin J. Patil	Development and Validation of Animal Models for Screening of Pro-convulsant Activity of Drugs	2.10	
11		Mr. Prasad V. Kadam	Identification and Screening of Bioactive Fraction of <i>Strychnos potatorum</i> for its Antidiabetic Activity	2.10	
12		Mrs. Anuradha A. Ranpise	Development of Self Micro-emulsifying Drug Delivery System for Enhancing the Gastrointestinal Absorption of Poorly Soluble Drug	1.00	
13		Dr. Manohar J. Patil	Phytopharmacological Investigation of <i>Eclipta alba</i> , Family Composite With Special Reference to Asthma	2.45	
14		Mr. Digambar B. Ambikar	Effect of Cyclooxygenase II (COX II) Inhibition on Memory Impairment and Hippocampal Damage in the Early Period of Cerebral Hypoperfusion in Rats	2.00	



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			Reactions as Potential Therapeutic Agents.		
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24	2009-10	Mrs. Kalyani K. Gayatri (Mr. Shailendra S. Salvankar)	Bioconversion of Tannin rich Agro Residues to Gallic acid	3.00	Completed (2009-12)
25		Mr. Prasad V. Kadam	Extraction and Evaluation of Herbal Pharmaceutical Excipients.	2.00	
26	2007-08	Dr. Manohar J. Patil	Screening of Hypoglycemic Agents from Cucurbita <i>maxima</i> Family Cucurbitaceae.	2.00	4.0 Completed (2008-10)
27		Mrs. Shilpa P. Chaudhari	Development of Gastro Retentative Drug Delivery System for Spasticity	2.00	
Total Grants Sanctioned				54.60	





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INDUSTRY SPONSORED RESEARCH PROJECTS (LAST FIVE YEARS)

Sr. No.	Project Sanction Year	Name of Principal Investigator & Co-investigator	Title of Project	Collaborative Partner	Project Cost Rs. (In lakhs)	Status
1	2016	Dr. Manohar J. Patil, Mr. Prasad V. Kadam	Chondroregenerative Effect of Ariflex Tablet in Rat Model of Osteoarthritis.	Ari Healthcare Pvt. Ltd., Pune	3.0	Ongoing 2017
2		Dr. Manohar J. Patil, Mr. Prasad V. Kadam	Hepatoprotective Effects of Haridradi ghrita in CCl ₄ Induced Hepatotoxicity in Albino Mice. Hepatoprotective Effects of Dhatri avaleha in CCl ₄ Induced Hepatotoxicity in Albino Mice.	P.D.E.A'S College of Ayurveda & Research Centre, Nigdi, Pune-44	0.42	Completed 2016
3		Dr. Manohar J. Patil, Mr. Prasad V. Kadam	Evaluation of the Acute Toxicity Study of Methanolic & Aqueous extract of <i>Aristolochia bracteolata</i> Lam in Experimental Animals. Evaluation of the Antipyretic Effects of Methanolic & Aqueous extract of <i>Aristolochia bracteolata</i> Lam in Yeast Induced Pyrexia	A.V.V.M Sri Pushpam College (Autonomous), Poondi, Tanjavur, Tamilnadu.	0.55	Completed 2016
4	2015	Dr. Manohar J. Patil, Mr. Prasad V. Kadam, Dr. Digambar B. Ambikar	Chondroprotective Effect of Ariflex Tablet in Rat Model of Osteoarthritis.	Ari Healthcare Pvt. Ltd., Pune	2.35	Completed 2016
5	2014	Dr. Manohar J. Patil, Mr. Chandrashekhar L. Bhingare, Mr. Prasad V. Kadam,	Development, Formulation and Evaluation of Herbal Anti-Acne Cream	REVE Pharma, Nashik	1.0	Completed 2015
6			Development, Formulation and Evaluation of Herbal Anti-Marks Cream			
7			Development, Formulation and Evaluation of Herbal Anti-Aging Cream			
8	2013	Dr. Manohar J. Patil Mr. Chandrashekhar	Heavy Metal Complexes and Ayurvedic Processing for their	S. G. Phyto Pharma	0.28	Completed 2014




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		L. Bhingare Mr. Prasad V. Kadam	Neuroprotective Activity	Pvt.Ltd., Kolhapur		
9		Dr. Manohar J. Patil, Mr. Chandrashekhar L. Bhingare, Mr. Prasad V. Kadam,	Analytical Method Development for <i>Termenalia chebulla</i> and <i>Ferrula narthex</i> in Poly-Herbal Formulation.	REVE Pharma, Nashik	2.0	Completed 2014
10			Analytical Method Development for <i>Swertia chirata</i> and <i>Phyllanthus niruri</i> in Poly-Herbal Formulation.			
11			Analytical Method Development for <i>Foeniculum vulgare</i> and <i>Boerhaavia diffusa</i> in Poly-Herbal Formulations			
12			Analytical Method Development for <i>Cassia fistula</i> and <i>Glycyrrhiza glabra</i> in Poly- Herbal Formulation			
13			Analytical Method Development for <i>Bacopa monnieri</i> , <i>Curcuma longa</i> and <i>Evolvulus alsinoides</i> in Poly- Herbal Formulation			
14			Analytical Method Development for <i>Cassia angustifolia</i> & <i>Zingiber officinale</i> in Poly-Herbal Formulation			
15	Dr. Manohar J. Patil, Mr. Pravin J. Patil, Dr. Digambar B. Ambikar,	Comparative Efficacy of Herbal Wound Healing Creams with Marketed Formulation (Mupirocin Cream) Using Various Wound Healing Models and Diabetic Wound Models in Rats.	Ari Healthcare Pvt. Ltd., Pune	2.25	Completed 2014	
16	2012	Dr. Manohar J. Patil, Mr. Chandrashekhar L. Bhingare, Mr. Prasad V. Kadam	Studies on Topical Formulation of <i>Curcuma longa</i> Extract	REVE Pharma, Nashik	1.5	Completed 2013
17			Studies on Topical formulation of Shuddh gandhaka			
18			Formulation, Evaluation and Standardization of <i>Helicteres</i>			



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		<i>isora</i> Extract			
19		Formulation, Evaluation and standardization of <i>Mallotus philippinensis</i> Extract			
20		Studies on Topical Formulation and Evaluation of <i>Tagetes erecta</i> Extract			

Research Leading to Commercial Output/ Technology Transfer for Scale-up:

Sr. No.	Project Title	Name of Industry	Commercial Output	Project Period
1.	Chondroregenerative Activity of Ariflex Tablet in Rat Model of Osteoarthritis	Ari Healthcare Pvt. Ltd, Pune	"Ariflex" Tablet (Ayurvedic Proprietary Medicine)	2016-17
2.	Chondroprotective Activity of Ariflex Tablet in Rat Model of Osteoarthritis			2015-16
3.	Development, Formulation and Evaluation of Herbal Anti-Acne Cream	Reve Pharma, Nashik	In Process	2014-15
4.	Development, Formulation and Evaluation of Herbal Anti-Marks Cream			
5.	Development , Formulation and Evaluation of Herbal Anti-Aging Cream			
6.	Comparative Efficacy of Herbal Wound Healing Creams with Marketed Formulation (Mupirocin Cream) Using Various Wound Healing Models and Diabetic Wound Models in Rats.	Ari Healthcare Pvt. Ltd, Pune	"Amarant" Wound Healing Cream (Ayurvedic Proprietary Medicine)	2013-14
7.	Analytical Method Development for <i>Termenalia chebulla</i> and <i>Ferrula narthex</i> in Poly-Herbal Formulation.	Reve Pharma, Nashik	Manshakti Tablets Bilifine Tonic VBT Tablets	2013-14
8.	Analytical Method Development for <i>Swertia chirata</i> and <i>Phyllanthus niruri</i> in Poly-Herbal Formulation.			
9.	Analytical Method Development for <i>Foeniculum vulgare</i> and <i>Boerhaavia diffusa</i> in Poly-Herbal Formulations			
10.	Analytical Method Development for <i>Cassia fistula</i> and <i>Glycyrrhiza glabra</i> in Poly-Herbal Formulation			
11.	Analytical Method Development for <i>Bacopa monnieri</i> , <i>Curcuma longa</i> and <i>Evolvulus alsinoides</i> in Poly-Herbal Formulation			



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12.	Analytical Method Development for <i>Cassia angustifolia</i> and <i>Zingiber officinale</i> in Poly-Herbal Formulation			
13.	Studies on Topical Formulation of <i>Curcuma longa</i> Extract	Reve Pharma, Nashik	AYORMA SPF 40 SUN BLOCK	2012-13
14.	Studies on Topical formulation of <i>Shuddh gandhaka</i>			




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13. Indicate the research activities of the faculty members as per the following pro-forma

Name & Designation of Faculty	Major Area of Research	Number of Ph.Ds Produced (in last 5 years)
Dr. M. J. Patil, Principal & Professor	Phytochemistry, Pharmacological Screening of herbal drugs (Asthma & Diabetes) and standardization of herbal drugs	06
Dr. A. R. Tekade, Professor & HOD (Pharmaceutics & QAT)	CNS targeting, Nose to brain drug delivery, Nanoparticulate drug delivery system, Pulsatile drug delivery, Solubility and bioavailability enhancement of poorly aqueous soluble drugs.	01
Dr. P. L. Ingle, Professor & HOD (Pharmaceutical Chemistry)	SAR based drug designing, Heterocyclic Chemistry, Multicomponent reactions, Analytical method development & Validation, Stability indicating methods for bulk drug and dosage forms	00
Dr. Rahul Khiste, Associate Professor	Synthesis of Heterocyclic Compounds with QSAR, Drug design and evaluation for anti-hyperlipidemic activity, Analytical method development & Validation.	00
Dr. Shilpi Konduskar, Associate Professor	Design and synthesis of anticancer agents.	00
Dr. Digambar Ambikar, Associate Professor	Phytochemistry, Pharmacological Screening of herbal drugs, standardization of herbal drugs	00
Dr. P. V. Kasture, Adjunct Professor	Solubility and bioavailability enhancement of poorly aqueous soluble drugs, Novel drug delivery systems.	01
Dr. Bhope, Resource person from Industry	Phytochemistry, Pharmacological Screening and standardization of herbal.	00
Dr. Nagore, Resource Person from Industry	Phytochemistry, Pharmacological Screening of herbal drugs, standardization of herbal drugs	00
Dr. S.H. Patil, Visiting faculty	Communication, Scientific writing	00
Mr. Chandrashekhar Bhingare, Adjunct Professor	Analytical method development & Validation, Equipment's and process validation, Stability indicating methods for bulk drug and dosage forms	00




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Mr. P. J. Patil, Associate Professor & HOD (Pharmacology)	Drugs acting on CNS, Safety pharmacology and toxicology, Pharmacy Practice.	00
Mr. Prasad Kadam, Associate Professor	Phytochemistry, Pharmacological Screening of herbal drugs (Asthma & Diabetes) and standardization of herbal drugs	00
Mr. M. P. Ratnaparkhi, Associate Professor	Solubility enhancement, Floating drug delivery system, Microencapsulation	00
Ms. Kavita Yadav, Assistant Professor	Extraction, isolation & Characterization of phytoconstituents, Standardization of herbal formulations.	00
Ms. Babita Agrawal, Assistant Professor	SAR based drug designing, Heterocyclic Chemistry, Multicomponent reactions, Analytical method development & Validation, Stability indicating methods for bulk drug and dosage forms	00
Ms. Sampada Dalvi, Associate Professor	SAR based drug designing, Heterocyclic Chemistry, Multicomponent reactions, Analytical method development & Validation, Stability indicating methods for bulk drug and dosage forms	00
Mr. S. S. Salvankar, Assistant Professor	Nanoparticulate drug delivery, Nose to brain drug targeting	00
Ms. Anuradha Ranpise, Assistant Professor	Lipid based drug delivery	00
Mr. Pramod Sakpal, Assistant Professor	Analytical method development & Validation, Stability indicating assay methods for bulk drug and dosage forms	00
Mr. Sachin Jagdale, Assistant Professor	Solubility studies, multiparticulate drug delivery system, Floating and mucoadhesive drug delivery systems.	00
Ms. Snehal Tambe, Assistant Professor	Analytical method development & Validation	00
Ms. Pooja Pawar, Assistant Professor	Solubility enhancement of poorly water soluble drugs	00
Ms. Pradnya Bhong, Assistant Professor	Preclinical studies, Safety pharmacology and toxicology.	00
Ms. Suvarna Nalawade	Extraction, isolation & Characterization of phytoconstituents, Standardization of herbal formulations.	00




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14. a) **List of Research Publications in SCI Journals coming from the College during the last five years (Authors Names, Title of Paper, Name of the Journal, Volume, Page nos., Year).**

1. Mohini A Phanse, Manohar J Patil, Konde Abbulu. Synthesis, characterization and evaluation of the suppression of insulin resistance in Type-II diabetes mellitus animals by treatment with metal complex, Saudi Journal of Biological Sciences, 2016; 23(03): 420-425.
2. Mohini Ashok Phanse, Manohar Janardhan Patil, Konde Abbulu. The isolation, characterization and preclinical studies of metal complex of *Thespesia populnea* for the potential peroxisome proliferator-activated receptors- γ agonist activity, Pharmacognosy Magazine, 2015; 11 (3): S434.
3. Rukhsana Abdul Rub, Manohar Janardhan Patil, Areej Abdul Siddiqui, Priyanka Rambhau Ghorpade, Alpana Subhod Moghe. Free Radical Scavenging and Cytotoxic Potential of *Celosia argentea*., Pharmacognosy Journal, 2015; 7(3): 191-197.
4. SA Thube, MJ Patil. Evaluation of Wound Healing Potential of Some Indian Herbal Extracts and it's Formulation in *Acne Vulgaris*, Pharmacognosy Journal, 2014; 6 (5): 37-46.
5. Manohar J Patil, Prasad V Kadam. Phrmacognostic Study of *Cucurbita moschata* (Cucurbitaceae), Pharacognosy Journal, 2014: 1-3.
6. Rukhsana A, Manohar J Patil, Priyanka Ghorpade, Areej Siddiqui, Evaluation of Antioxidant potential of *Celosia argentea* extracts, Pharmacognosy Journal, 2013: 4(33): 7-15.
7. S G Bhope, V V Kuber, D H Nagore, P S Gaikwad, M J Patil. Development and Validation of RP-HPLC method for Simultaneous Analysis of Andrographolide, Phyllanthin, and Hypophyllanthin from Herbal Hepatoprotective Formulation, Acta Chromatographica, 2013; 25 (01):159-169.
8. B. P. Pimple, P. V. Kadam, M. J. Patil. Protective effect of *Luffa acutangula* extracts on gastric ulceration in NIDDM rats: Role of gastric mucosal glycoproteins and antioxidants. Asian Pacific Journal of Tropical Medicine, 2012; 412-420.
9. Kadam Prasad, Yadav Kavita, Patel Ankita, Navsare Vidya, Bhilwade Sumeet, Patil Manohar. Phytopharmacopoeial specifications of *Garcinia indica* fruit rinds. Pharmacognosy Journal, 2012, 4(31), 23-28.
10. Priyanka Ghorpade, Areej Siddiqui, Manohar J Patil, Rukhsana A Rub. Pharmacognostic and Phytochemical evaluation of *Celosia argentea*. Pharmacognosy Journal, 2012; 4 (33): 7-15.
11. S.G. Bhope, P.S. Gaikwad, V.V. Kuber, M.J.Patil. RP-HPLC Method for simultaneous constitution of boeravinone E and boeravinon B in *Boerhaavia diffusa* extract and its formulation. Natural Product Research, 2012 (1-4) i.
12. Kadam P. V., Yadav K. N., Narappanwar N., Shivtare R.S., Bhusnar H.U., Patil M.J. Development of Quality Standards of *Terminalia catappa* Leaves, Pharmacognosy Journal, 2011: 3 (26), 19-24.
13. .Mukesh P.Ratnaparkhi* ; Pravin Pongale;Shilpa P Chaudhari, Formulation and evaluation of Buffered pantoprazole sodium tablet, International journal of Pharmaceutical sciences and Research, 2013; 4(12): 4708-4714.





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b) **List of Publications in Conference Proceedings during last five years (Authors Names, Title of Paper, Name of the Conference, Volume, Page nos., Year).**

1. P. H. Sakpal, S. M. Narayankar, R. H. Khiste, B. A. Agarwal, S. D. Dalvi, P. L. Ingale, C. L. Bhingare; Development of RP- HPLC method for estimation of Rosuvastatin in tablet dosage form; International Journal of Pharmaceutical Sciences and Research; 2015, Research Scientific Proceeding APTICON 500-502.
2. Shailendra Salvankar, Geetanjali Chopade, Mukesh Ratnaparkhi, Formulation & optimization of sustained release Glimepiride nanoparticles, 20th APTICON -2015, 9-11 October 2015 Indore , IJPSR, PA-68.
3. Shailendra S. Salvankar., Mukesh P. Ratnaparkhi Gaurav S. Choudhari, Mahohar J. Patil, A study on determination of prescription writing errors in outpatient department in pune district, 19th APTICON -2014, 928-30 November 2014 Pune, PC 9.
4. Shilpa P Chaudhari, M..P. Ratnaparkhi, S. S. Salvankar. Study of Disintegrant Behaviour of *Ocimum basilicum* Mucilage, Indian Pharmaceutical Congress Association, 65th Indian Pharmaceutical Congress, Delhi NCR, 20-22 December 2013, (A31).
5. Patil P.J. Nalawade T.M. and Bhumkar M. J. Awareness about drug-drug interactions (DDIs) among community pharmacists in the Pimpri-Chinchwad region (M.S.) –A survey. 65th Indian Pharmaceutical Congress, Delhi NCR. 20-22 December 2013, Abstract No. H79.
6. Patil P. J, Choudhary G. D. and Kunjir S. V. Awareness about fixed dose combinations (FDCs) of Drugs among Physicians at Pimpri-Chinchwad (M.S.)-A survey. 65th Indian Pharmaceutical Congress, Delhi NCR. 20-22 December 2013, Abstract No. H89.
7. Patil P. J. and Kadus SG. Awareness of Causes of Heart Disease-A Survey. APTICON-2014, Pune PC-20, 28th to 30th November, 2014.
8. Patil P. J. Safety Pharmacology: a Review, APTICON-2014, Pune, 28th to 30th November, 2014. PJ-71.
9. Shaikh I., Ambikar D., Patil P. J., Sable S. S., Mandekar G.T., Sheikh A. A. Influence of Unani Polyherbal formulation on learning and memory retention in mice. APTICON-2014, Pune, 28th to 30th November, PD-21.
10. Mr. Pramod H. Sakpal, Ms. Savita Narayankar. Development and Validation of RP-HPLC Analytical Method for Estimation of Ezetimibe in Tablet Dosage Form. APTICON 2014, 28th to 30th November, PE-40.
11. Pramod H. Sakpal , Pravin Chaudhary , Jayesh Choudhary, X-RAY CRYSTALLOGRAPHY: A Modern analytical Technique. APTICON 2014, 28th to 30th November, PJ-4.
12. P. H. Sakpal, S. M. Narayankar, R. H. Khiste, B. A. Agarwal, S. D. Dalvi, P. L. Ingale, C. L. Bhingare; Development of RP- HPLC method for estimation of Rosuvastatin in tablet dosage form; International Journal of Pharmaceutical Sciences and Research; 2015, Research Scientific Proceeding APTICON 500-502.
13. S. D. Dalvi, P. L. Ingale, Sanjay Dalvi; Development and Validation of Stability Indicating Assay Method for Dutasteride and Tamsulosin HCL in Bulk and combined dosage form; 19th Annual National Convention of Association of Pharmaceutical Teachers of India 28th -30th November, 2014; 28th -30th November 2014, PE 37.






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14. R. D. Elgire, S.D. Dalvi, P.L. Ingale; UV Spectrophotometric Absorption Correction Method for the Simultaneous Estimation of Simvastatin and Niacin in Tablet Dosage Forms; 19th Annual National Convention of Association of Pharmaceutical Teachers of India 28th -30th November 2014, PE 66.
15. Pramod L. Ingale, Sampada D. Dalvi, Sachin V. Gudi, Abhijeet Salunke; Development of RP-HPLC method for determination of Quetiapine fumarate in human plasma; 65th Indian Pharmaceutical Congress Delhi NCR; 2013, 20-22 December, F-42.
16. Rupali Kothekar, Sampada D. Dalvi, Pramod L. Ingale; Development and validation of Metformin in bulk drug and formulation by UV-visible Spectrophotometry; 65th Indian Pharmaceutical Congress Delhi NCR; 2013, 20-22 December, F-80.
17. Pramod L. Ingale, Sanjay B. Kasture and Veena S. Kasture, Anti-Inflammatory activity of some Thiophene analogues, 45th Annual Conference of Indian Pharmacological Society and International Conference on Navigating Pharmacology towards Safe and Effective Therapy, 2013 04-07 Jan., AIN-19, S55 .
18. Pramod L. Ingale, Sampada D. Dalvi, Dnyandev G. Gadhave, Development and Method Validation of Stability Indicating Assay of Didanosine by Using RP-HPLC, 28th -30th November, 2014 APTICON 2014, PE 36.
19. Sampada D. Dalvi, Sohan S. Chitlange, Pramod. L. Ingale, Sanjay M. Dalvi, Development and Validation of Stability Indicating Assay Method for Dutasteride and Tamsulosin HCL in Bulk and combined dosage form. 28th -30th November, 2014 APTICON 2014, PE 37.
20. Rupali D. Elgire, Pramod L. Ingale, Sampada D. Dalvi, UV Spectrophotometric Absorption Correction Method for the Simultaneous Estimation of Simvastatin and Niacin in Tablet Dosage Forms, 28th -30th November, 2014 APTICON 2014, PE 66.
21. Sampada Dalvi, Pramod Ingale, Amrit Sareen, Sanjay Dalvi; Simultaneous estimation of pregabalin and methyl cobalamine using UV spectroscopy; 65th Indian Pharmaceutical Congress, Amity University, Noida; 20-22 Dec 2013, F-35.
22. Rupali Kothekar, Sampada D. Dalvi, Pramod L. Ingale; Development and validation of metformin in bulk drug and formulation by UV-visible spectrophotometry; 65th Indian Pharmaceutical Congress, Amity University, Noida; 20-22 Dec 2013, F-80.
23. Maruti K. Shelar, Chandrashekhar Metri, Santosh S. Bhujbal, Manohar J. Patil, Therapeutic Effect of A Polyherbal Formulation on Adjuvant Induced Arthritis in Wistar rats, 19th Annual National Convention of Association of Pharmaceutical Teachers of India, 19th APTICON-2014, PF-15, 28th-30th November, 2014.
24. Babita A. Agarwal, Dr. Manohar J. Patil, Strategies to Check Student learning in the Classroom (Classroom Assessment Techniques), 19th Annual National Convention of Association of Pharmaceutical Teachers of India, 19th APTICON-2014, OC-15, 28th-30th November, 2014.
25. Kavita N. Yadav, Prasad V. Kadam, Manohar J. Patil, Preparation and Evaluation of Herbal formulation containing *Pistecia integerrima* with special reference to its antispasmodic activity, 19th Annual National Convention of Association of Pharmaceutical Teachers of India, 19th APTICON-2014, OF-06, 28th-30th November, 2014.
26. Prasad V. Kadam, Kavita N. Yadav, Manohar J. Patil, Development, Evaluation and Comparative account of Topical Formulations for Treatment of Diabetic wounds, 19th Annual National Convention of Association of Pharmaceutical Teachers of India, 19th APTICON-2014, OF-05, 28th-30th November, 2014.



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27. Surekha Babar, Manohar Patil, Stability study of Pharmaceuticals: A Review, 19th Annual National Convention of Association of Pharmaceutical Teachers of India, 19th APTICON-2014, PJ-26, 28th-30th November, 2014.
28. Markad B. A., Yadav K.N., Kadam P.V., Patil M.J, Macromorphological Characterization of *Ocimum sanctum* From, Pune Region, 65th Indian Pharmaceutical Congress Delhi NCR, C-186, 20-22 Dec. 2013.
29. Kadam P.V., Yadav K.N., Patil M.J, Development of Quality Standards for Leaves of *Tabebuia rosea* (bertol.) Dc., 65th Indian Pharmaceutical Congress Delhi NCR, C-132, 20- 22 Dec. 2013.
30. Yadav K.N., Pharmacopoeial specification of ocimum sanctum from Alibag, Raigad Region, 65th Indian Pharmaceutical Congress Delhi NCR, C-187, 20- 22 Dec. 2013.
31. Mohini A. Phanse, Manohar J. Patil, Konde Abbulu, The Docking Studies of Synthesized compound with potential PPAR-r agonist activity, 3rd International Conference & Exhibition on Pharmacovigilance & Clinical Trials, Vol 2(4), Pp. 76, 21-23 October, 2013.
32. Mohini A. Phanse, Manohar J. Patil, Konde Abbulu, Anti-inflammatory activity of modified compound mediated through enzyme inhibition, 3rd International Conference & Exhibition on Pharmacovigilance & Clinical Trials, Vol 2(4), Pp. 101, 21-23 October, 2013.
33. Shailendra Salvankar, Geetanjali Chopade, Mukesh Ratnaparkhi Formulation and optimization of sustained release Glimpiride nanoparticles IJPSR Scientific Proceeding APTICON 2015 PA-68, 236-238.
34. Jagdale S K, Ratnaparkhi M P, Pare J K Formulation and evaluation of osmotic controlled porosity tablet of anti- diabetic drug IJPSR Scientific Proceeding APTICON 2015 PA-35 , 158-160.
35. Ghadge Puja, Bhote Praffula, Dhawade Rajaram Ratnaparkhi Mukesh Formulation and Invitro Evaluation of Lornoxicam Floating Microsphere Indian Pharmaceutical Congress Association 67th Indian Pharmaceutical Congress, Hyderabad, 23-25 January 2015 (A521).
36. Ratnaparkhi Mukesh, Dhawade Rajaram , Bhote Praffula, Ashvini Kadam Formulation and Evaluation of Mouth Dissolving Film of Amlodipine Besylate Indian Pharmaceutical Congress Association 67th Indian Pharmaceutical Congress, Hyderabad, 23-25 January, 2015 (A124).
37. Dhawade Rajaram, Ghadge Puja, Bhote Praffula, Ratnaparkhi Mukesh Formulation Design and Evaluation of a Self Microemulsifying Drug Delivery System of Hydrochlorothiazide Indian Pharmaceutical Congress Association 67th Indian Pharmaceutical Congress Hyderabad 23-25 January 2015 (A118)
38. Bhote Praffula, Dhawade Rajaram , Ghadge Puja, Ratnaparkhi Mukesh Formulation and Evaluation of Mouth Dissolving Film of Candesartan Cilexetil Indian Pharmaceutical Congress Association 67th Indian Pharmaceutical Congress Hyderabad 23-25 January 2015 (A59)
39. Salvankar Shailendra S., Ratnaparkhi Mukesh P., Jadhav Akshy N., Patil Manohar J., Formulation and Invitro Evaluation of Pulsatile Release of Diltiazem Hydrochloride , Indian Pharmaceutical Congress Association 67th Indian Pharmaceutical Congress Hyderabad 23-25 January 2015 (A68)
40. Shailendra S. Salvankar, Mukesh P. Ratnaparkhi, Gaurav S. Chaudhari., Manohar J. Patil, A Study On Determination Of Prescription Writing Errors In Out Patient Department In Pune District, 19th Annual National Convention of Pharmaceutical Teachers of India-Pune, Maharashtra, 28th-30th November,2014
41. Shilpa P Chaudhari, M.P. Ratnaparkhi,S. S Salvankar, Study of Disintegrant Behaviour of Ocimum Basilicum Mucilage, Indian Pharmaceutical Congress Association 65th Indian Pharmaceutical Congress Delhi NCR 20-22 December 2013(A31)



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42. Jadhav S.D. Ratnaparkhi M.P. Gaware N.K., General Awareness Among The College Youth On Health Care System, Indian Pharmaceutical Congress Association 65th Indian Pharmaceutical Congress Delhi NCR 20-22 December 2013 (I- 4)
43. Ratnaparkhi M.P., Dhage A.H., Chaudhari S.P., Analysis Of Various Brands Of Tea Powder Marketed In India, Indian Pharmaceutical Congress Association 65th Indian Pharmaceutical Congress Delhi NCR 20-22 December 2013 (F27).

c) **List of scientific/ technical Books written by Faculty Members in the College.**

Name of Faculty Member	Title of Book	Publisher
Raju R. Wadekar, Manohar J. Patil	Pharmacognosy and Phytochemistry – I (An Experimental Handbook)	Ahuja Publishing House, New Delhi
Jadhav R.B. Patil C.R. Surana S. J. Bhatnagar S.P. Patil M.J	Rheumatoid Arthritis and Herbal Drugs : Current Status and Future Prospectus, Recent Progress in Medicinal Plants, Vol 20, , Phytopharmacology & Therapeutic Values (Book Chapter)	Studium Press USA BC, Editor: J.N. Govil, V.K.Shingh, S.K. Mishra, 277-300, 2008.
Dinesh Kumar, Zulfiqar Ali Bhat, I Ahmad Chashoo, R S. Deoda, Satish C. Mudgade and Vijender Kumar	Bronchodilatory Activity in Traditional medicines: Gift of God Kingdom, Bronchitis,	InTech - Open Access Publisher University Campus STeP Ri Croatia, Vol-I, Chapter-10, 171-190, 2011.
Dr. Avinash R. Tekade, Dr. Vishal V. Pande, Mr. Keyur Shastri	Pharmaceutical Engineering	TechMax Publication, Pune
Dr. Pramod L. Ingle	Practical Handbook of Pharmaceutical Organic Chemistry –III.	Success Publications, Pune
Dr. Pramod L. Ingle	Practical Handbook of Pharmaceutical Organic Chemistry –IV	Success Publications, Pune
Ms. Anuradha Ranpise	Industrial Pharmacy	Career Publications, Pune
Ms. Anuradha Ranpise	Industrial Pharmacy-I	Career Publications, Pune
Dr. Sohan S. Chitlange, Dr. Vivek K. Deshmukh, Mrs. Babita A. Agarwal, Mrs. Sejal P. Gandhi	Practical Handbook of Pharmaceutical Analysis -I	Success Publications, Pune
Dr. Sohan S. Chitlange, Dr. Vivek K. Deshmukh, Mrs. Babita A. Agarwal, Mrs. Sejal P. Gandhi	Practical Handbook of Pharmaceutical Analysis -II	Success Publications, Pune



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15. Give a list of Equipment, which are available and functional in the College costing Rs.5 Lakhs and above.

Name of Equipment	Year of Purchase	Status
Differential Scanning Calorimeter	2013-14	Working
FTIR	2011-12	Working
Cyber Lab HPLC with UV detector	2009-10	Working
Agilent HPLC with PDA detector	2014-15	Working
Lyophilizer (Freeze Dryer)	2011-12	Working
Spray Dryer	2010-11	Working


16. Library facilities – List the Journals received in your College library in the concerned discipline.

List of e-journals subscribed through DELNET for the year 2017-18
(i.e. March 2017 - March 2018)

Sr.No	Name of Journal
1	AAPS Journal
2	AAPS PharmSciTech
3	ACS Medicinal Chemistry Letters
4	Acta Pharmaceutica
5	Acta Pharmacologica Sinica
6	Acta Poloniae Pharmaceutica
7	African Journal of Pharmacy and Pharmacology
8	American Journal of Pharmaceutical Education
9	Annals of Clinical Microbiology and Antimicrobials
10	Antimicrobial Agents and Chemotherapy
11	Archives of Pharmacy Practice
12	Asian Journal of Pharmaceutical and Clinical Research
13	Asian Journal of Pharmaceutical and Health Sciences
14	Asian Journal of Pharmacy and Life Science
15	Bangladesh Journal of Pharmacology
16	Biological and Pharmaceutical Bulletin
17	Biopharm International
18	BMC Pharmacology and Toxicology
19	Brazilian Journal of Pharmaceutical Sciences
20	British Journal of Pharmacology
21	Chemical and Pharmaceutical Bulletin
22	Clinical Pharmacology and Neuroscience
23	Clinical Psychopharmacology and Neuroscience
24	ClinicoEconomics and Outcomes Research
25	Current Neuropharmacology
26	DARU : Journal of Pharmaceutical Sciences
27	Der Pharma Chemica



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28	Der Pharmacia Lettre
29	Der Pharmacia Sinica
30	Dissolution Technologies
31	Drug Design, Development and Therapy
32	Drug Metabolism and Disposition
33	Drug Metabolism and Pharmacokinetics
34	European Review for Medical and Pharmacological Sciences
35	Farmacia
36	Frontiers in Pharmacology
37	Indian Journal of Pharmaceutical Education
38	Indian Journal of Pharmaceutical Education and Research
39	Indian Journal of Pharmaceutical Sciences
40	Indian Journal of Pharmaceutical Sciences
41	Indian Journal of Pharmacology
42	Indo Global Journal of Pharmaceutical Sciences
43	International Journal of Advances in Pharmaceutical Research
44	International Journal of Applied Research in Natural Products
45	International Journal of Chemical and Pharmaceutical Sciences
46	International Journal of Drug Development & Research
47	International Journal of Drug Discovery
48	International Journal of Drug Formulation and Research
49	International Journal of High Throughput Screening
50	International Journal of Neuropsychopharmacology
51	International Journal of Pharma Sciences and Research
52	International Journal of Pharmaceutical and Biological Research
53	International Journal of Pharmaceutical and Biomedical Research (IJPBR)
54	International Journal of Pharmaceutical and Phytopharmacological Research
55	International Journal of Pharmaceutical Sciences : Review and Research
56	International Journal of Pharmaceuticals Analysis
57	International Journal of Pharmacology
58	International Journal of Pharmacy and Biological Sciences
59	International Journal of Pharmacy and Pharmaceutical Sciences
60	International Journal of Pharmacy and Technology
61	International Journal of Research in Ayurveda and Pharmacy
62	International Research Journal of Pharmacy
63	Iranian Journal of Pharmaceutical Research
64	Journal of Advanced Pharmaceutical Research
65	Journal of Advanced Pharmaceutical Technology & Research
66	Journal of Antibiotics
67	Journal of Antimicrobial Chemotherapy
68	Journal of Applied Pharmaceutical Science
69	Journal of Drug Delivery




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70	Journal of Food and Drug Analysis
71	Journal of Global Drug Policy and Practice
72	Journal of Global Pharma Technology
73	Journal of Global Trends in Pharmaceutical Sciences
74	Journal of Pharmaceutical Care
75	Journal of Pharmaceutical Education and Research
76	Journal of Pharmacological Sciences
77	Journal of Pharmacology and Experimental Therapeutics
78	Journal of Pharmacy and Bioallied Sciences
79	Journal of Pharmacy and Pharmaceutical Sciences
80	Journal of Pharmacy Research
81	Journal of Physiology and Pharmacology
82	Journal of Young Pharmacists
83	Korean Journal of Physiology and Pharmacology
84	Magnesium Research
85	Marine Drugs
86	Metal-Based Drugs
87	Neuropsychopharmacology
88	Open Access Journal of Medicinal and Aromatic Plants
89	Open Drug Delivery Journal
90	Pakistan Journal of Pharmaceutical Sciences
91	Pharma Science Monitor : An International Journal of Pharmaceutical Sciences
92	Pharmaceuticals-Open access Pharmaceutical Science Journal
93	Pharmaceutics-open Access Journal
94	Pharmacie Globale : International Journal of Comprehensive Pharmacy
95	Pharmacogenomics and Personalized Medicine
96	Pharmacogenomics Journal
97	Pharmacognosy Magazine
98	Pharmacological Reports
99	Pharmacological Reviews
100	Revista Brasileira de Farmacognosia (Brazilian Journal of Pharmacognosy)
101	Saudi Pharmaceutical Journal
102	Southern Med Review
103	Stamford Journal of Pharmaceutical Sciences
104	The Open Biomarkers Journal (Bentham)
105	The Open Biotechnology Journal (Bentham)
106	The Open Medicinal Chemistry Journal (Bentham)
107	The Open Nanoscience Journal (Bentham)
108	The Open Natural Products Journal (Bentham)
109	The Open Nitric Oxide Journal (Bentham)
110	The Open Nutraceuticals Journal (Bentham)



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111	The Open Pain Journal (Bentham)
112	The Open Pharmacoeconomics & Health Economics Journal (Bentham)
113	The Open proteomics journal (Bentham)
114	Therapeutics and Clinical Risk Management
115	Tropical Journal of Pharmaceutical Research
116	Yakugaku Zasshi (Journal of the Pharmaceutical Society of Japan)

List of National Journals subscribed for the year 2017 (i.e. Jan 2017-Dec 2017)

Sr.No	Name of Journal	Name of Publisher	Name of Distributor	Amount
1	Indian Journal of Chemistry, Section-A	National Institute of Science Communication & Information Resources, CSIR, New Delhi	The Sr. Sales and Distribution Officer, NISCAIR, CSIR, Dr. K.S. Krishnan Marg, New Delhi – 110 012	4600
2	Indian Journal of Chemistry, Section-B			4600
3	Indian Journal of Experimental Biology			4600
4	Journal of Intellectual Property Rights			3000
5	Indian Journal of Natural Products and Resources			1200
6	Medicinal & Aromatic Plants Abstracts			3600
7	Indian Journal of Biotechnology			1200
8	Indian Journal of Traditional Knowledge			1200
9	Indian Journal of Pharmacology	Official publication of the Indian Pharmacological Society		5000
10	Pharmacognosy Magazine	A publication of phcog.net		7500
11	Pharmacognosy Research	Official publication of Pharmacognosy (phcog.net) Network Worldwide		6000
12	Journal of Advanced Pharmaceutical Technology & Research	Official Publication of Society of Pharmaceutical Education & Research, Gwalior (M.P.)		4200



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13	International Journal of Pharmaceutical Investigation (Quarterly)	Wolters Kluwer		5500
14	Journal of Pharmacy and Bioallied Sciences (Quarterly)	Wolters Kluwer		3600
15	Indian Journal of Pharmaceutical Science	APTI		1000
16	Indian Journal of Pharmaceutical Education and Research	Official journal of Association of Pharmaceutical Teachers of India (APTI) Lucknow.	Indian Journal of Pharmaceutical Education and Research	4700
17	Indian Drugs	Indian Drug Manufacturers' Association, Mumbai	Indian Drug Manufacturers Association, Mumbai	2000
18	Indian Journal of Pharmacy Practice (IJOPP)	APTI	Secretary, APTI, Bangalore	3200
19	International Journal of Pharmaceutical Sciences and Research	AKiNik Publication	AkiNik Publications, New Delhi	2500
20	Journal of Hospital Pharmacy	Offical Publication of Health Education Bureau	Journal of Hospital Pharmacy Mansarovar, Jaipur, Rajasthan	2410/-
21	Current Science	Current Science Association in collaboration with the Indian Academy of Sciences, Bangalore	Current Science Association Collaboration with Indian Academy of Sciences, Bangalore	2000
				73610/-

17. Details of Post-graduate Teaching & Research profile/ plans of the College for next 5 years.

Post Graduate Teaching:

The Pharmacy post graduates are required to learn and acquire in-depth knowledge, necessary skills to take up various professional positions in the pharmaceutical sector. At MMCOP the laboratory experiments are set in such a way that the required skills are adopted by the students. In our institute the instruments are of the market leading brands wherein students get the practice of using them during their practical sessions. This makes them industry ready as they get the training on the instruments which they are going to use in industry. Moreover few extra experiments are conducted which are apart from the



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syllabus to bridge the curricular gap. Moreover, each student is given knowledge and Cognitive skill based assignment.

The college is running 03 PG programs since year 2010 in the subject Pharmaceutics, Quality Assurance Techniques and Pharmacognosy. The students of M.Pharm I year have to learn their core subjects as well as some common or elective subject Whereas M.Pharm II year student has to carry out research project in their field of specialization. At MMCOP we emphasize on some unique features such as:

- **Use of Problem Based Teaching Learning / Use of Scenario Analysis Teaching:** Teaching learning is made more effective by giving the Mini Projects and Case Studies Pertaining to Pharmaceutical Manufacturing, QA / QC, Distribution and Market Analysis.
- **Industrial Exposure:** To get acquainted with the industrial system and procedures, to build up their confidence regular industry visits and training sessions from industrial experts are organized.
- **Continuing Education (Training of trainers):** so as to give the best updated knowledge and skill the teachers should be updated for current development in the field hence the college deputed faculty and non-teaching staff are regularly for various faculty development programs and trainings.
- **Healthy Practices:** Healthy Practices in Pharmaceutical Education such as Value Based Education, Social Responsibilities, Good Citizenship Role, Innovations, Institutional Ambience, Soft Skill Development etc. are effectively

Research

The future plan is to promote interdisciplinary research so that the each stakeholder gets benefited. The research in the college for the next five years will be encouraged and supported as well to cater the need of the society at large by carrying out quality inter disciplinary research in some of the thrust areas of research such as CNS targeting through nasal route to treat brain cancer, Alzheimer's disease, Parkinson's disease, depression, psychoses and other CNS disorders using nano-particulate drug delivery system.

18. Details of funds requested for 5 years:

S. No. / Items Name	Cost in Rs. (FE component in US\$)	
	Total FE Cost	Total INR Cost
A. Equipment (Name of each Equipment)		
1. High Pressure Homogenizer	25,378	16,40,000
2. High Speed Ultra-Centrifuge (1,50,000 RPM capacity)	46,265	29,90,000
B. Infrastructure Facilities (Books, Renovation of Labs etc.)	-----	----
C. Networking & Computational Facilities etc.	-----	----
D. Maintenance of Equipment	-----	----
Total	71,643	46,30,000



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19. **Details of each Budget Heads with full justifications for each item as given at Item No. 18 including details of similar support from any other sources.**

High Pressure Homogenizer: High pressure homogenizer is the most widely used equipment's to prepare nanoparticulate drug delivery system having average particle diameter of less than 200 nm for various pharmaceutical applications.

High Speed Cooling Ultra-Centrifuge: High speed cooling ultra-centrifuge with the capacity of 1,50,00 rpm is very suitable equipment to prepare plasma samples for HPLC analysis. At such high rpm all the particles get settled at the bottom leaving clear supernatant which can be directly injected into HPLC column which reduces the time of sample preparation greatly.

If the grant is provided for purchasing of above mentioned equipment then our college will be fully equipped with all type of sophisticated equipment's to work upon nanoparticulate drug delivery system especially in the area of CNS targeting through neuronal pathway avoiding blood brain barrier to treat efficiently Brain tumor, Alzheimer and Parkinson disease, Psychoses, Schizophrenia and Depression.

20. **Specify the recipient of the Grant (Principal / Any other) by attaching an endorsement from Head of Institution/ College.**

Information submitted as above is true and is correct.

Dr. Manohar J. Patil



Signature of the
Principal/ Director of College/ Institute
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