I wish to convey the sanction of Minor Research Project -2015-16 to Mr. Suman Gunin (13-AZ-016), Department of Advanced Zoology and Biotechnology, Loyola College at a cost of Rs. 25,000 (Rupees twenty five thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG001		
Title of the Project	Isolation and identification of microbes from the exoskeleton of marine invertebrates		
Name of the Research Supervisor	Dr. V. Pushpa Rani		
	FINANCIAL ALLOCATION		
HEADS	GRANT APPROVED (Rs.		
PROJECT FELLOW SALARY			
STAFF REMUNERATION	2500		
CONTINGENCY	2500		
FIELD WORK/TRAVEL	4000		
HIRING SERVICES	1000		
CONSUMABLES	0		
TOTAL	1 5000		
	25000		

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 06.08.15

Aecieved

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

LOYOLA COLL

I wish to convey the sanction of Minor Research Project -2015-16 to Mr. R. Vedesh (13-AZ-029), Department of Advanced Zoology and Biotechnology, Loyola College at a cost of Rs. 25,000 (Rupees twenty five thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG002		
Title of the Project	Screening of antimicrobial activity of marine microbes isolated from sea grass		
Name of the Research Supervisor	Dr. V. Pushpa Rani		
	FINANCIAL ALLOCATION		
HEADS	GRANT APPROVED (Rs.		
PROJECT FELLOW SALARY	2500		
STAFF REMUNERATION	2500		
CONTINGENCY	3000		
FIELD WORK/TRAVEL	2000		
HIRING SERVICES	0		
CONSUMABLES	1 5000		
TOTAL	25000		

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 06.08.15

Reviewed Didle



REV. DR. G. JOSEPH ANTONY SAMY S.J.
PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

I wish to convey the sanction of Minor Research Project -2015-16 to Mr. Carlson Alexander (13-CH-001), Department of Chemistry, Loyola College at a cost of Rs. 50,000 (Rupees fifty thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG003		
Title of the Project	Development of novel platinum complexes as anticancer agents		
Name of the Research Supervisor	Dr. N. Arockia Samy		
	FINANCIAL ALLOCATION		
HEADS	GRANT APPROVED (Rs.)		
PROJECT FELLOW SALARY	2500		
STAFF REMUNERATION	2500		
CONTINGENCY	5000		
FIELD WORK/TRAVEL	0		
HIRING SERVICES	5000		
CONSUMABLES	35000		
TOTAL	50000		

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAL - 600 034

DATE: 06.08.15

Received: Carlson-A

I wish to convey the sanction of Minor Research Project -2015-16 to Mr. R. Jose Antony Jenish (13-PB-051), Department of Plant Biology and Biotechnology, Loyola College at a cost of Rs. 25,000 (R upees twenty five thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG004		
Title of the Project	In vivo and in vitro studies on salinity tolerance in Eleusine coracana varieties		
Name of the Research Supervisor	Dr. Agastian P. Theodre		
	FINANCIAL ALLOCATION		
HEADS	GRANT APPROVED (Rs.		
PROJECT FELLOW SALARY	2500		
STAFF REMUNERATION	2500		
CONTINGENCY	5000		
FIELD WORK/TRAVEL	0		
HIRING SERVICES	0		
CONSUMABLES	1 5000		
TOTAL	2 5 0 0 0		

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

REV. DR. G. JOSEPH ANTONY SAMY S

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

DATE: 06.08.15

I wish to convey the sanction of Minor Research Project -2015-16 to Mr. R. Arun Prasanth (13-PB-031), Department of Plant Biology and Biotechnology, Loyola College at a cost of Rs. 25,000 (Rupees twenty five thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG005	
Title of the Project	Antimicrobial Screening of wild Solanum sp. against human pathogens	
Name of the Research Supervisor	Dr. G. Jeya Jothi	
	FINANCIAL ALLOCATION	
HEADS	GRANT APPROVED (Rs.)	
PROJECT FELLOW SALARY		
STAFF REMUNERATION	2500	
CONTINGENCY	250	
FIELD WORK/TRAVEL	4000	
HIRING SERVICES	1000	
CONSUMABLES	0	
TOTAL	15000	
COTAL	25000	

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE 06 08 15

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal LOYOLA COLLEGE

CHENNAI - 600 034

I wish to convey the sanction of Minor Research Project -2015-16 to Mr. U.S. Sibi (13-PH-233), Mr. Vishal Dadhich (13-PH-201), Mr. A. Swaminathan (13-PH-255) Department of Physics, Loyola College at a cost of Rs. 27,500 (Rupees twenty seven thousand five hundred only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG006
Title of the Project	Radio Telescope
Name of the Research Supervisor	Dr. Chrisphin Karthick
	FINANCIAL ALLOCATION
HEADS	GRANT APPROVED (Rs.)
PROJECT FELLOW SALARY	7500
STAFF REMUNERATION	5000
CONTINGENCY	5000
FIELD WORK/TRAVEL	0
HIRING SERVICES	0
CONSUMABLES .	10000
TOTAL	27500

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

DARHICH

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

DATE: 06.08.15

SWAMINATHAN. A

REV. DR. G. JOSEPH ANTONY SAMY S.J. PRINCIPAL

Principal LOYOLA COLLEG

COLCHENNAL - 600 034

I wish to convey the sanction of Minor Research Project -2015-16 to Mr. B. Ilamparithi (13-TL-004), Department of Tamil, Loyola College at a cost of Rs. 15,000 (Rupees fifteen thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG008			
Title of the Project	திரைஅரஙகுகள் உருவாக்கம் -உருமாற்றம்			
Name of the Research Supervisor	Dr. A. Daniel			
	FINANCIAL ALLOCATION			
HEADS	GRANT APPROVED (Rs.)			
PROJECT FELLOW SALARY	2500			
STAFF REMUNERATION	2500			
CONTINGENCY	5000			
FIELD WORK/TRAVEL	5000			
HIRING SERVICES	0			
CONSUMABLES	0			
TOTAL	15000			

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

DATE: 06.08.15

Received.

I wish to convey the sanction of Minor Research Project -2015-16 to **Mr. Dinesh Kumar** (13-TL-007), Department of Tamil, Loyola College at a cost of **Rs. 15,000** (Rupees fifteen thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG009		
Title of the Project	Irupattionram nurruandil siddha maruthuvathin valarchiyum pokkum		
Name of the Research Supervisor	Dr. A. Daniel		
	FINANCIAL ALLOCATION		
HEADS	GRANT APPROVED (Rs.		
PROJECT FELLOW SALARY	2500		
STAFF REMUNERATION	2500		
CONTINGENCY	5000		
FIELD WORK/TRAVEL	5000		
HIRING SERVICES	3000		
CONSUMABLES	0		
TOTAL	15000		

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

REV. DR. G. JOSEPH ANTONY SAMY S.J.

DATE: 06.08.15



PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

I wish to convey the sanction of Minor Research Project -2015-16 to Mr. M. Aravind (13-TL-015), Department of Tamil, Loyola College at a cost of Rs. 15,000 (Rupees fifteen thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG010		
Title of the Project	Thamizhilakkiyathil saathiyozhippu muyarchikal		
Name of the Research Supervisor	Dr. A. Daniel		
	FINANCIAL ALLOCATION		
HEADS	GRANT APPROVED (Rs.)		
PROJECT FELLOW SALARY	2500		
STAFF REMUNERATION	2500		
CONTINGENCY	5000		
FIELD WORK/TRAVEL	5000		
HIRING SERVICES	0		
CONSUMABLES	0		
TOTAL	15000		

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

DATE: 06.08.15



I wish to convey the sanction of Minor Research Project -2015-16 to Mr. V. Vignesh (13-TL-045), Department of Tamil, Loyola College at a cost of Rs. 15,000 (Rupees fifteen thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG011		
Title of the Project	Neethi nookkalin vaazhviyal sinthanaigal matrum nokkamum koorugalum		
Name of the Research Supervisor	Dr. A. Daniel		
	INANCIAL ALLOCATION		
HEADS	GRANT APPROVED (Rs.)		
PROJECT FELLOW SALARY	2500		
STAFF REMUNERATION	2500		
CONTINGENCY	5000		
FIELD WORK/TRAVEL	5000		
HIRING SERVICES	0		
CONSUMABLES	0		
TOTAL	15000		

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016.

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

REV. DR. G. JOSEPH ANTONY SAMY S.J.

DATE: 06.08.15

Principal
LOYOLA COLLEGE
CHENNAI - 600 034

PRINCIPAL

**UG RESEARCH PROJECT** 

LOYOLA

#### RESEARCH PARK LOYOLA COLLEGE (AUTONOMOUS), CHENNAI - 34

I wish to convey the sanction of Minor Research Project -2015-16 to Mr. R. Mohana Vasanthan (13-TL-068), Department of Tamil, Loyola College at a cost of Rs. 15,000 (Rupees fifteen thousand only) for a period of six months. The items of expenditure for which the total allocation has been approved are given below

Project Code	LCTOI15UG012			
Title of the Project	ஆழிசூழ் உலகும் இன்றைய நெய்தல் நில மக்களின் வாழ்வியல் கூறுகளும்			
Name of the Research Supervisor	Dr. D. David Stanley			
	FINANCIAL ALLOCATION			
HEADS	GRANT APPROVED (Rs.)			
PROJECT FELLOW SALARY	2500			
STAFF REMUNERATION	2500			
CONTINGENCY	5000			
FIELD WORK/TRAVEL	5000			
HIRING SERVICES	0			
CONSUMABLES	0			
TOTAL	15000			

- 1. The grant should be exclusively utilized for the purpose for which it was sanctioned. It may be ensured that the expenditure should not exceed the limit of sanctioned amount under each head.
- 2. The College will disburse fellowship amount to the bank account of Project Fellow.
- 3. Hiring Services is meant for specialized technical work, such as sample analysis, for which the college has no infrastructure or such services are available on payment basis.
- 4. Contingency: The admissible contingency grant may be utilized for photo-stat copies and microfilms, typing, stationary, postage, computation and printing needed for the project.
- 5. Chemicals and Consumables: To meet expenditure on chemicals, glassware and other consumable items, money can be claimed against purchase order through Dean of Research and Principal.
- 6. Travel and Field Work: The amount allocated under the head travel/field work is to be utilized for data collection and collection of other information such as documents and visit to libraries within the general scope and sphere of the ongoing project.
- 7. All Project work should be carried out without any detriment to the regular academic work. Working during the college holidays will be permitted but no privileges are allowed thereon.
- 8. Monetary committee will interact with the Project Fellow periodically in order to ensure the outcome of the project.
- 9. Final Report of the research work should be submitted to the Office of the Dean of Research before 15<sup>th</sup> March 2016..

The rules and regulations governing this grant are appended and the agreement to be signed thereon is mandatory.

REV. DR. G. JOSEPH ANTONY SAMY S.J.

PRINCIPAL

DATE: 06.08.15

Dort Cor. Ohisol 07/09/15

Principal LOYOLA COLLEGE CHENNAI - 600 034

#### LOYOLA COLLEGE (AUTONOMOUS)

#### NUNGAMBAKKAM, CHENNAI - 600 034.

### 30. SCIENTIFIC RESEARCH ACCOUNT - IOB - SB ACCOUNT - 175

#### RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2016

RECEIPTS	Rs.Ps.	Rs.Ps.	PAYMENTS	Rs.Ps.	Rs.Ps.
mak income :			Revenue Expenditure :		
Amexure]			[ As Per Annexure ]		
artie Income	27,83,311.00		Revenue Expenses	1,03,20,055.00	
Total (A)	*	27,83,311.00	Total (A)		1,03,20,055.00
the maxime :			Capital Expenditure :		
			Scientific Research - Lab Equipr	ments :	
			AIM 2000 Software	32,112.50	
		77. 1	Aomix Software	18,644.00	
	9		False Ceiling / Partition	26,320.00	
			Gas Cylinder	1,14,450.00	
			GPS	23,940.00	
			Hydride&Cold Vapour Generator	1,60,117.00	
	*		I-3 Processor & 2KVA Online UPS	1,15,500.00	
			KBr Press Model (M-18)	45,150.00	
			Mono Quartz Distillation Unit	44,000.00	
			Revolutionary Research Centrifuge	88,175.00	
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		Sunlife Class A Solar Simulator	4,262.00	
			Vicker's Micro Hardness Tester	39,880.00	
			ERI - Master Cycler Nexus Gradient	4,00,000.00	
			Computer & Printers :		
			Desktop Computers	1,13,400.00	
			Laptop	42,000.00	
			HP/IBM Based Computing	14,37,400.00	
Total (B)		•	Total (B)		27.05,350.50
Advances :			Loans & Advances :	•	
Annexure ]			[ As Per Annexure ]		
Advances	10,15,392.00		Loans & Advances	10,24,526.00	
Total (C)		10,15,392.00	Total (C)		10,24,526.00
			Contra :		
Annexure ]	3,000.00		[ As Per Annexure ]	3,000.00	
Total (D)		3,000.00	Total (D)		3,000.00
TAL (A+B+C+D)		38,01,703.00	TOTAL (A+B+C+D)		1,40,52,931.50

TOTAL		4,01,23,973.00	TOTAL		4,01,23,973.00
Bank IOB - 175  The stand IOB - 175	7,93,626.00 3,55,28,644.00	7,93,626.00 3,55,28,644.00	Closing Balance: Cash on Hand Cash at Bank IOB - 175  Closing Investments [ As Per Annexure ] TOTAL (F)	7,04,199.50 2,53,66,842.00	7,04,199.50 2,53,66,842.00

er my report of even date annexed

For Kandasami & Associates **Chartered Accountants** Firm Regn No. 013004S

SECRETARY

PRINCIPAL

TREASURER

M. Kandasami Partner M. No. 021952



#### LOYOLA COLLEGE (AUTONOMOUS)

Nungambakkam, Chennai - 600 034.

### 30. SCIENTIFIC RESEARCH ACCOUNT - IOB - SB ACCOUNT - 175

### RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2016

RECEIPTS	Rs.Ps.	Rs.Ps.	PAYMENTS	Revenue	Capital	Total
Revenue Income :			Revenue Expenditure :			
Advanced Zoology and Biotechnology			Advanced Zoology and Biotech	nnology		
Dr. Albin T. Fleming			Dr. Albin T. Fleming			
			Consumables	1,25,240.00		1,25,240.00
			Contingency	45,000.00		45,000.00
			Field Work / Travel	75,000.00		75,000.00
			Research Personnel - 1	2,08,000.00		2,08,000.00
ų.			Research Personnel - 2	1,76,000.00		1,76,000.00
Dr.M.C. John Milton			Dr.M.C. John Milton			
			Consumables	63,145.00		63,145.00
			Contingency	50,000.00		50,000.00
			Field Work / Travel	50,000.00		50,000.00
			Research Personnel - 1	2,08,000.00		2,08,000.00
			Research Personnel - 2	1,92,000.00		1,92,000.00
			Capital Expenditure :			
			ERI - Dr.M.C. John Milton :			
			False Ceiling / Partition		26,320.00	26,320.00
			Gas Cylinder		1,14,450.00	1,14,450.00
	*		Hydride & Cold Vapour Gener	rator	1,60,117.00	1,60,117.00
SUB TOTAL			SUB TOTAL	11,92,385.00	3,00,887.00	14,93,272.00

## RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENGED STAT MARION SOIL

RECEIPTS	Rs.Ps.	Rs.Ps.	PAYMENTS	Revenue	Capital	Total
Chemistry			Chemistry	1 ,1-4, 4		
			Revenue Expenditure	and report		
Dr. M. Jacob			Dr. M. Jacob	112		
			Consumables	19,950.00		19,950.0
			Contingency	16,809.00		16,809.0
			Field Work / Travel	1,331.00		1,331.0
			Research Personnel - 1	1,66,194.00		1,66,194.0
			Dr. A. Jeya Rajendran			
			Contingency	40,000.00		40,000.0
Dr. A. Jeya Rajendran			Comsumables	2,51,349.00		2,51,349.0
		annella.	Research Personnel - 1	1,92,000.00		1,92,000.0
Dr. J. Judith Vijaya			Dr. J. Judith Vijaya		25	
			Research Personnel - 1	1,60,000.00		1,60,000.0
			Capital Expenditure :			
			Dr. M. Jacob			
			AIM 2000 Software		-32,112.50	32,112.5
			Aomix Software		18,644.00	18,644.0
			HP/IBM Based Computer		14,37,400.00	14,37,400.0
			Dr. A. Jeya Rajendran			
			UPS - I-3 Processor & 2KVA		70,350.00	70,350.0
			Equipment-KBR Press Mode	1	45,150.00	45,150.0
SUB TOTAL			SUB TOTAL	8,47,633.00	16,03,656.50	24,51,289.5
oyola Institute for Frontier Energy (LIFE)			Loyola Institute for Frontier En	ergy (LIFE):		· · · · · · · · · · · · · · · · · · ·
			Revenue Expenditure :			
Dr. S. Vincent			Dr. S. Vincent			
			Consumables	1,93,718.00		1,93,718.0
	\$77		Contingency	17,325.00		17,325.0
			Field Work / Travel	49,943.00		49,943.0
			Hiring Services	47,300.00		47,300.0
			Research Personnel - 1	3,42,000.00		3,42,000.0
			Research Personnel - 2	1,26,000.00		1,26,000.0
			11000dion 1 Cloomio 2	,,_5,000.00		,,_0,000.



# RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENGED STREMARCH 2016

RECEIPTS	Rs.Ps.	<b>D</b> 5		. atal MWRCH 50		
Dr. J. Madhavan & Dr. Merlin Shyla	113.75.	Rs.Ps.	PAYMENTS	Revenue	1:	
Ollyla			Dr. J. Madhavan & Dr. Merli	lin Shyla	Capital	Total
			Consumables	15,540.00		15 5 40 35
			Contingency	40,000.00		15,540.00
			Field Work / Travel	20,000.00		40,000.00
			Research Personnel - 1	2,46,000.00		20,000.00
		1	Research Personnel - 2	1,28,000.00		2,46,000.00
			Capital Expenditure :		Para:	1,28,000.00
			Dr. J. Madhavan & Dr. Merlin	n Shyla		
			Desktop Computers		1 12 400 5	
			UPS - I-3 Processor & 2KVA	( *	1,13,400.00	, ,
SUB TOTAL			Sunlife Class A Solar Simula	ator	45,150.00	1
Intomology Research Institute :		-	SUB TOTAL	12 25 920 00	4,262.00	4,262.00
			Entomology Research Institute	; '	1,62,812.00	13,88,638.00
Rev. D. Ignacimuthu			Revenue Expenditure :	L		A
			Rev. Dr. Ignacimuthu			Control of the Control
			Consumables	1,37,333.00		
			Contingency	25,107.00		1,37,333.00
			Field Work / Travel	48,243.00		25,107.00
			Research Personnel - 1	2,16,000.00		48,243.00
Dr. Gabriel Paulraj			Research Personnel - 2	2,34,000.00		2,16,000.00
*			Dr. Gabriel Paulraj	2,04,000.00		2,34,000.00
			Consumables	1,27,338.00		
			Contingency			1,27,338.00
			Field Work / Travel	28,097.00		28,097.00
*			Research Personnel - 1	55,389.00		55,389.00
r. Sivasankaran			Technical Assistant	2,16,000.00		2,16,000.00
			Dr. Sivasankaran	96,000.00		96,000.00
			Consumables	1 20 705		
			Contingency	1,36,708.00	<b>T</b>	1,36,708.00
			Field Work / Travel	33,941.00		33,941.00
			Poscerch De	52,434.00		52.434.00

RECEIPTS Rs	Rs.Ps.	PAYMENTS	Revenue :	Capital	Total
NCOLII O		Dr. Pandi Kumar	3.00	F* . F	
Pandi Kumar		Consumables	1,32,553.00		1,32,553.00
		Contingency	27,083.00		27,083.00
		Field Work / Travel	53,514.00		53,514.00
		Research Personnel - 1	2,70,000.00		2,70,000.00
		Research Personnel - 2	1,80,000.00		1,80,000.00
	- · · · · · · · · · · · · · · · · · · ·	Capital Expenditure :	i taka ita		
		Dr. Sivasankaran	73 254 377	112	
		GPS		23,940.00	23,940.00
SUB TOTAL		SUB TOTAL	25,01,740.00	23,940.00	25,25,680.00
to the second se		Mathematics	Service of the Arman Service		
nematics		Revenue Expenditure :	A. 15		
D. Antony Yaylor		Dr. D. Antony Xavier			
D. Antony Xavier		Contingency	5,712:00	1	5,712.00
		Field Work / Travel	3,400.00		. 3,400.00
	4	Research Personnel - 1	1,92,000.00		1,92,000.00
M Arackiarai		Dr. M. Arockiaraj	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<i>x</i>	
M. Arockiaraj		Consumables	6,100.00		6,100.00
a at the second		Contingency	20,000.00		20,000:00
		Research Personnel - 1	1,92,000.00		1,92,000.00
		Research Personnel - 2	16,000.00		16,000.00
		Capital Expenditure :			
		Dr. D. Antony Xavier			
		Laptop	, ' , , ' ;	42,000.00	42,000.00
SUB TOTAL	-	SUB TOTAL	4,35,212.00	42,000.00	4,77,212.00
		Physics			
sics		Revenue Expenditure :			
P. Sagayaraj & Dr. Joe G.M. Jesudurai		Dr. P. Sagayaraj & Dr. Joe G	.M. Jesudurai		
r. Sagayaraj & Dr. 30e G.M. Sesudurar		Consumables	2,03,635.00		2,03,635.00
		Field Work / Travel	20,000.00		20,000.00
		Contingency	25,000.00		25,000.00
		Research Personnel - 1	2,16,000.00		2,16,000.00



# RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 3191 MARCH 2016

	Rs.Ps.	PAYMENTS	Revenue	Capital	Total
RECEIPTS Rs.Ps	S. RS.PS.	Dr. S. Jerome Das & Dr. J. Ma			
Dr. S. Jerome Das & Dr. J. Mary Linet		Consumables	3,05,809.00		3,05,809.00
2.		Field Work / Travel	20,000.00		20,000.00
		Contingency	1,00,000.00		1,00,000.00
		Research Personnel - 1	1,28,000.00		1,28,000.00
		Research Personnel - 2	80,000.00		80,000.00
		Capital Expenditure :			
		Dr. S. Jerome Das & Dr. J. Ma	ry Linet		
		Revolutionary Research Centr	rifuge	88,175.00	88,175.00
		Vickers Micro Hardness Teste	∌r	39,880.00	39,880.00
		SUB TOTAL	10,98,444.00	1,28,055.00	12,26,499.00
SUB TOTAL		Plant Biology and Biotechnolo			
Plant Biology and Biotechnology		Revenue Expenditure :			
		Dr. R. Ravindhran			
Dr. R. Ravindhran		Consumables	1,19,052.00		1,19,052.00
		Contingency	60,000.00		60,000.00
		Hiring Services	5,111.00		5,111.00
		Research Personnel - 1	2,05,777.00		2,05,777.00
		Research Personnel - 2	1,92,000.00		1,92,000.00
6		Dr. P. Agastian			07 444 00
Dr. P. Agastian		Contingency	27,441.00		27,441.00
		Consumables	2,69,142.00		2,69,142.00
		Field Work / Travel	45,894.00		45,894.00
		Hiring Services	89,560.00		89,560.00
		Research Personnel - 1	2,24,000.00		2,24,000.00
		Research Personnel - 2	1,28,000.00		1,28,000.00
		Dr. J. Joel Gnanadoss			
Dr. J. Joel Gnanadoss		Consumables	59,757.00		59,757.00
	6	Contingency	34,126.00		34,126.00
		Field Work / Travel	58,122.00		58,122.00
		Hiring Services	15,960.00		15,960.00
		Overhead			
	CALIFORNIA SECURITION OF SECURITION OF SECURITION		4 00 000 00		1 92 000 00



# RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 3181 MARCH 2016

RECEIPTS	Rs.Ps.	Rs.Ps	DAYMENTO			
		113.13	- ATTIMETITIS	Revenue	Capital	Total
SUB TOTAL			Capital Expenditure : Dr. P. Agastian Equipments - Mono Quartz Dis	stillation unit		
Research Activities :			SUB TOTAL		44,000.00	44,000.00
			Research Activities :	19,17,942.00	44,000.00	19,61,942.00
Donation : Times of India			Revenue Expenditure : Consumables	32,000.00		22 000 00
			DC Meeting Exp.	3,300.00		32,000.00
			Student Project Scheme	2,12,850.00		3,300.00
			Honorarium :Scientist of LIFE	5,89,355.00		2,12,850.00
			Paper Publication / Research	3,09,333.00		5,89,355.00
			Articles Phd with Publication /	63,500.00		63,500.00
			Honorarium Research Work	55,000.00		55,000.00
General:			The second secon	1,00,000.00		1,00,000.00
			General:	10,56,005.00	•	10,56,005.00
Donations - ERI : Indev Logistics Pvt Ltd, Chennai Bank Interest FD Interest Sweage Water Treatment Accrued Interest	65,551.00 5,68,161.00 8,50,000.00 12,99,599.00		Revenue Expenditure : Audit Fees Bank Charges  Capital Expenditure : Entomology Dept Equipments	34,200.00 10,668.00	4,00,000.00	34,200.00 10,668.00
SUB TOTAL		07.00			4,00,000.00	4,00,000.00
Loans & Advances :		27,83,311.00	SUB TOTAL	44,868.00	4,00,000.00	4 44 000 00
Loans & Advances Advance Expenses	9,60,527.00 54,865.00		Loans & Advances : Loans & Advances	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	9,37,026.00	4,44,868.00
SUB TOTAL		10,15,392.00	Advance Expenses		87,500.00	
Contra : TDS	3,000,00	. 0,10,002.00	SUB TOTAL Contra:			10,24,526.00

## RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31st MARCH 2016

RECEIPTS	Rs.Ps.	Rs.Ps.	PAYMENTS	Revenue	Capital	Total
Opening Balance Investments	3,55,28,644.00		Closing Balance Investment		2,53,66,842.00	
SUB TOTAL	and the second	3,55,28,644.00	SUB TOTAL			2,53,66,842.00
TOTAL RECEIPTS		3,93,30,347.00	TOTAL PAYMENTS			3,94,19,773.50
Opening Balance : Cash at Bank IOB - 175	7,93,626.00	7,93,626.00	Closing Balance : Cash at Bank IOB - 175		7,04,199.50	7,04,199.50
Total		4,01,23,973.00	Total	**************************************		4,01,23,973.00

Place: Chennai - 600 034

Date :

As per my report of even date annexed For Kandasami & Associates

Chartered Accountants
Firm Regn No. 013004S

SECRETARY

PRINCIPAL

TREASURER

M. Kandasami Partner M. No. 021952

