



Research Council
University of Sri Jayewardenepura - Sri Lanka

VIDYODAYA VISION

RESEARCH MANUAL 2019

2nd Edition

Editors

Senior Professor Pathmalal Manage
Professor Pradeepa Jayawardane
Dr. Roshan Ajward

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Content

Research Council, University of Sri Jayewardenepura	i
The Board of Management of Research Centres, Research Council, University of Sri Jayewardenepura ..	ii
Message from the Vice Chancellor	iii
Message from the Co-Chairpersons	v

Part One – The Research Council

1. INTRODUCTION	1
1.1. Mission	1
1.2. Objectives	1
2. CORPORATE STRUCTURE	2
2.1. Organizational Structure	2
3. RESEARCH CENTRES	4
3.1. The Management Structure	9
3.2. Research Centres	10
a. Centre for Water Quality and Algae Research - Faculty of Applied Sciences	10
b. Centre for Dengue Research – Faculty of Medical Sciences	12
c. Centre for Advanced Materials Research - Faculty of Applied Sciences	12
d. Centre for Cancer Research – Faculty of Medical Sciences	14
e. Centre for Kidney Research – Faculty of Medical Sciences	15
f. Centre for Management Studies & Commerce Research - Faculty of Management Studies and Commerce	16
g. Centre for Multi-Disciplinary Studies – Faculty of Humanities & Social Sciences	17
h. Centre for Forestry and Environment- Faculty of Applied Sciences	18
i. Centre for Biotechnology – Faculty of Applied Sciences	19
j. Interdisciplinary Centre for Innovation in Biotechnology and Neurosciences – Faculty of Medical Sciences	20
k. National Centre for Primary care and Allergy Research –Faculty of Medical Sciences	23
l. innovation Centre for Robotics and Intelligent Systems- Faculty of Applied Sciences	24
m. Apple Development and Research Centre-Faculty of Applied Sciences	25
n. Research Centre for Governance and Public Policy – Faculty of Management Studies and Commerce	26
o. Centre For Plant Materials and Herbal Products Research -Faculty of Applied Sciences	27
p. Research and Professional Development Centre, Department of Estate Management and Valuation –Faculty of Management Studies and Commerce	28
q. Ecosphere Resilience Research centre – Faculty of Applied Sciences	29
r. Non Communicable Diseases Research Centre(NCDRC) – Faculty of Medical Sciences	31
s. Centre for Mindfulness-based Research and Practices – Faculty of Medical Sciences	32
t. Centre for Advanced Forensic Research – Faculty of Medical Sciences	33
u. Centre for Marine Science and Technology (CMST) –Faculty of Applied Sciences	34

4. FACULTY RESEARCH COMMITTEES	37
4.1. Composition	37
4.2. Functional Responsibilities	37

Part Two – The Grants

1. INTRODUCTION	39
2. UNIVERSITY RESEARCH GRANTS	39
2.1. Introduction	39
2.2. Application Form	40
2.3. Review Process	47
2.4. Prioritizing Research Grants	53
2.5. Terms and Conditions	53
SECTION A – Commencement of Research Activities	53
SECTION B – Utilization of the Funds	54
SECTION C – Progress Review	55
SECTION D – Final Research Report and Completion of the Grant	55
a. Guidelines and the Format for Preparation of Final Report	66
b. Report on New Innovation/Invention	68
3. OVERSEASE TRAVEL GRANTS	69
3.1. Introduction	69
3.2. Eligibility Criteria for a Recommendation of an OTG	69
3.3. Conditions to Apply for an OTG	69
3.4. Procedure of Awarding OTGs	70
3.5. General Information	70
3.6. Application For University of Sri Jayewardenepura Overseas Travel Grants(OTG)	71
3.7. Format for the Final Report	74
4. GRANTS FOR JOURNAL PUBLICATIONS	76
4.1. Reimbursement of Open Access Fee	76
4.2. Reimbursement of Language Editing Fee	78
5. UNDERGRADUATE INDEPENDENT STUDY GRANTS	80
6. INFORMATION TO BE INCLUDED IN PUBLICATIONS	81

Part Three – Research Awards

1. INTRODUCTION	83
2. CATEGORIES	83
3. APPLICATION PROCEDURE	85
4. RESEARCH AWRARDS CEREMONY	85

Amendments	87
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Research Council University of Sri Jayewardenepura



Seated (from left to right)

Mrs. K.T.C. Priyangani – Bursar, Mr. K.G. Bitto – Registrar, Dr. S.A.A.M. Subasinghe - Dean, Faculty of Engineering (July 2016 - July 2019) and Social Sciences (July 2016 - July 2019), Snr. Prof. Pathmalal Manage – Dean, Faculty of Graduate Studies/Co-Chairperson, Research Council, Snr. Prof. Sampath Amaratunge - Vice-Chancellor/ Executive Chairman, Research Council, Prof. Pradeepa Jayawardane - Co-Chairperson, Research Council, Snr. Prof. Sudantha Lyanage - Dean, Faculty of Technology, Prof. Surangi G. Yasawardene - Dean, Faculty of Medical Sciences, Prof. D.M.S. Fernando, Dean/Faculty of Allied Health Sciences, Dr. W.A.D.N.D. Wijayasundara - Librarian, Dr. A.R.Ajward - Secretary, Board of Management of the Research Centres

Standing (from left to right)

Dr. A.H.L. Nilmini - Representative, Faculty of Technology, Prof. D.S.R. Samarasinghe- Representative, Faculty of Management Studies & Commerce, Dr.M.G.C. Padumadasa – Representative, Faculty of Applied Sciences , Prof. K.R.D. de Silva - Director, World Class University Project , Dr. R.B. Marasinghe - Director, Staff Development, Snr. Prof. S.S. Neluka Fernando - Representative, Faculty of Medical Sciences, Snr. Prof. Pradeep M. Jayaweera- Invited, Dr. Asanka Weerasekera – Representative, Faculty of Technology, Dr. Chamitha De Alwis- Representative, Faculty of Engineering, Prof. C.A.D. Nahallage - Representative, Faculty of Humanities and Social Sciences, Snr. Prof. R.L.S. Fernando - Representative, Faculty of Management Studies and Commerce, Dr H A G Sujeeva- Representative, Faculty of Humanities and Social Sciences ,Dr.K.M.C. Konthesingha – Representative, Faculty of Engineering, Mr. L. L. Wasantha Perera- Deputy Registrar



Prof. Shirantha Heenkenda
Dean
Faculty of Humanities and Social Sciences
1st July 2019 - Present



Prof. Laleen Karunanayake
Dean
Faculty of Applied Sciences
14th March 2019 – Present



Dr. K. M. C. Konthesingha
Dean
Faculty of Engineering
15th July 2019 – Present

The Board of Management of Research Centres University of Sri Jayewardenepura



Seated (from left to right)

Dr. M.B.S. Senevirathna - Director, Centre for Cancer Research, Prof. C.A.D. Nahallage - Director, Centre for Multi-disciplinary Research Centre, Snr. Prof. R.L.S. Fernando –Director, Centre for Governance and Public Policy, Prof. K.R.D. de Silva - Director, Centre for Innovation in Biotechnology and Neurosciences, Snr. Prof. Pathmalal Manage - Co-Chairperson, Research Council/Director, Centre for Water Quality and Algae Research, Snr. Prof. Sampath Amaratunge - Vice-Chancellor/Executive Chairman, Research Council, Prof. Pradeepa Jayawardane - Co-Chairperson, Research Council, Prof. S.M.C.U.P. Subasinghe –Director, Research Center for Forestry and Environment, Prof. Kamani Wanigasuriya –Director, Centre for Kidney Research ,Snr. Prof. B.G.D.N.K. de Silva - Director, Centre for Biotechnology, Dr. A R Ajjard - Secretary, Board of Management of the Research Centres

Standing (from left to right)

Dr. Meethika Vithanage –Director, Center for Ecosphere Resilience Research, Dr. M.G.C. Padumadasa- Director, Plant Materials and Herbal Products Research Centre, Dr R M K P Ranathunga Director, Centre for Marine Science and Technology, Dr.Chandima Jeewandara –Director, National Centre for Primary care and Allergy Research, Dr N.C. Wickramarachchi –Director, Research and Professional Development Centre (EMVRPC), Department of Estate Management and Valuation.

Absent

Prof. Neelika Malavige - Director, Centre for Dengue Research, Dr. KMTD Gunasekara - Director, Centre for Advanced Materials Research, Prof. Y. K. Weerakoon Banda - Director, Centre for Management Studies and Commerce Research, Dr.Ravindra S de Silva, Innovation Centre for Robotics and Intelligent System (RIS), Prof. R. G. N. Meegama- Director, Apple Research and Development Centre, Dr Sanath Mahawithanage-Director, Centre for Mindfulness based Research and Practices (CMRP)

Message from the Vice Chancellor



Snr. Professor Sampath Amarathunge
*Executive Chairman - Research Council
Vice Chancellor*

It is with great pleasure that I am writing this congratulatory message on the publication of the second edition of the Vidyodaya Vision which was first published in 2016. The Vidyodaya Vision encapsulates the research endeavors of the university which has been on the rise for the past few years. This year when the University is stepping into its 60th year since its establishment at Gangodawila, it gives me great pleasure to write this message bringing together developments of the Research Council, University of Sri Jayewardenepura within the past two years to light.

Research I believe should be cornerstone of our development. Today the University is home to over 20 Research centres and is in the process of developing more. In a short span of time the University has been able to gain recognition for the quality and the superiority of the research conducted in the university.

The University has dedicated itself to facilitate the staff with an environment that fosters research and as a result the publications of academics have significantly increased from the year 2015 to 2017. The most significant increase has been in the Publications of full papers in indexed journals, which has increased by 173 from 63 publications to 183 publications. There has also been a significant increase of 72% in the paper publications in conference proceedings from 520 papers to 819 papers. The overall increase in publications is recorded as 63%.

Today the University has gained the second place in the Scopus ranking among other state universities second only to University of Moratuwa. The research conducted by the university has gained international recognition. The university works in close relations with highly established international institutions such as the University of Cambridge, Oxford University and the Monash University of Australia; collaborating in research and staff exchange.

I have witnessed the steady growth of research within the university and I have gained first-hand experience of its superior quality. Therefore, as I write this today I am proud to say that the university has indeed stayed true to the vision of our founders, the Most Venerable Rev. Hikkaduwe Sri Sumangala Thero and the Most Venerable Welivitiye Sri SorathaThero who always believed in taking new avenues for the progress of the university.

As I conclude my message, my sincere wish is that the Research Council of this University will continue to uphold the quality and the superior standard of the research conducted in the university and bring the University to the number one position in research, and to maintain such standards in the many years to come.

I wish RC-USJ every success!

*Executive Chairman - Research Council
Vice Chancellor
University of Sri Jayewardenepura*

November 2019

Message from the Co-Chairpersons



Snr. Professor Pathmalal Manage
Co-Chairperson - Research Council



Professor Pradeepa Jayawardane
Co-Chairperson - Research Council

The establishment of the Research Council of University of Sri Jayewardenepura in 2016 makes a historical landmark. Research Council was established with a view of establishing a strong research culture among the teaching and the student communities by transforming our university from a traditional teaching institution to research based knowledge imparting entity. We are also looking to the future, preparing RC-USJ for the challenges that lie ahead.

RC-USJ implemented new funding models, refined proposals for how our Research Centres and the Faculty Research Committees should be owned and managed, and have created a corporate affairs group to improve communication of our research and development's benefits. We will invest in new strategic programmes to translate our science into forms that are useful for business and government, and working to increase selected specialist capability in RC-USJ, while dealing with funding challenges. We are also working with our twenty one Research Centres to identify common scientific challenges and ensure our funding has the greatest possible impact. We aim to identify what is critical to our core mission, and to be clear about where we add value, and where value can best be created by working more closely with all the Faculty Research Committees and Research Centres.

Through our proactive new approach to promote a inter and intra faculty broad-based research culture over the last 3 years, we believe that we have been successful in paving the way to streamline and improve the way we work and in raising profile of the university. "Vidyodaya Vision" first edition helped the academia of the university immensely giving thorough guidelines on operating procedures of the Research Council. However over the last few years many policy decisions have been taken to facilitate conduct of research and we believe it is high time we publish the second edition of the Vidyodaya Vision revising the standards of procedures appropriately. Thus we present the second edition of Vidyodaya Vision at this land mark year of the University where she proudly celebrates her 60th birthday as an institution which has shown a steep rise in its achievements with regard to research and university ranking over the last few years.

We wish all the success to the RC-USJ!

Co-Chairpersons - Research Council
University of Sri Jayewardenepura

November 2019

PART ONE

THE RESEARCH COUNCIL

1. INTRODUCTION

The Research Council of the University of Sri Jayewardenepura (RC-USJ) was established in the year 2016 with the broad view of facilitating conduct of high quality research, promoting dissemination of knowledge generated nationally and internationally and contributing significantly for the national development. The activities of the RC-USJ are aimed at encouraging the academics, executive officers and students of the University to engage in high quality research. RC-USJ aims to achieve this through facilitating development of infrastructure, making the funds available for research, facilitating dissemination of knowledge and encouraging national and international collaboration which will induce development of a research culture in the university. RC-USJ also aims at encouraging researchers through recognizing and rewarding their work by research award system.

1.1. MISSION

Foster research and development through widening the access to funds and infrastructure by facilitation and creation of an enabling atmosphere to achieve excellence and successful research and development based advancements to uplift the quality of the environmental, social, economic bases, while nurturing sustainable partnerships with local and international stakeholder institutions by the research community at USJ for the well-being of the present and future generations.

1.2. OBJECTIVES

1. Promote research that has national and international significance catering national and global requirements
2. Cultivate a conducive research culture in the university
3. Establish self-sustainable centres of excellence in research
4. Facilitate researchers to collaborate and perform quality research
5. Enhance the skills of the researchers
6. Smoothen the research process
7. Facilitate researchers in disseminating their knowledge nationally and internationally
8. Promote industry links and facilitate research consultancies
9. Promote high quality student research
10. Improve the effectiveness of research operations at RC-USJ member institutions
11. Establish and maintain liaison with other organizations concerned with research and its administration

The Research Council contd.

2. CORPORATE STRUCTURE

The Research Council of University of Sri Jayewardenepura (RC-USJ) is a dynamic entity with a dedicated, committed and talented cohort of personalities engaged in responsibilities to deliver policy and programmes that advance Sri Lankan research and innovation globally and benefit the community at large. RC-USJ is governed by an Advisory Board. It fosters innovative research, nurtures new generation of quality researchers, deepens how inquiry is practiced within and across disciplines, and mobilizes necessary knowledge on important public issues.

Leading our RC-USJ is a mix of inspiring academics—this includes the Vice-Chancellor in the capacity of Executive Chairman and two professorial-level Co-Chairpersons with strong research backgrounds. The Chairperson and the Co-Chairpersons are responsible to co-ordinate and supervise the work of the Research Council and are answerable to the Senate of the University. The faculty level implementation of the RC-USJ agenda will be done through the Research Committees of the respective faculties guided by respective Advisory Boards and the Research Centres managed by their respective Boards of Management.

There are a number of Research Centres functioning under the umbrella of RC at present. Each Research Centre is headed by a Director and he/she is accountable for the smooth functioning of the respective Research Centre, which will have full autonomy in respect of their research activities and functions.

The RC-USJ will act as a facilitator and coordinator to the research activities of the Research Centres while closely monitoring their progress and the output. It will also play the role of an arbitrator in resolving conflicts and issues, if any.

2.1. ORGANIZATIONAL STRUCTURE

The Research Council (RC-USJ) consists of the Executive Chairperson (Vice Chancellor), Co-Chairpersons, the General Secretary (a member of the Research Council is appointed as the General Secretary to the Board of Management of Research Centres) Deans of the Faculties, Faculty representatives (two members from each Faculty), the Registrar, the Bursar, the Librarian, a senior academic by invitation, the Deputy Registrar - Research and Publications, and the Deputy Bursar - Research Council (Figure 1). The RC-USJ is supported by the Board of Management of Research Centres. The Board of Management of Research Centres consists of the Executive Chairperson (Vice Chancellor), Co-Chairpersons of the Research Council, General Secretary, the Directors of the respective Research Centres, the Registrar, the Bursar, the Deputy Registrar - Research and Publications and Deputy Bursar – Research Council.

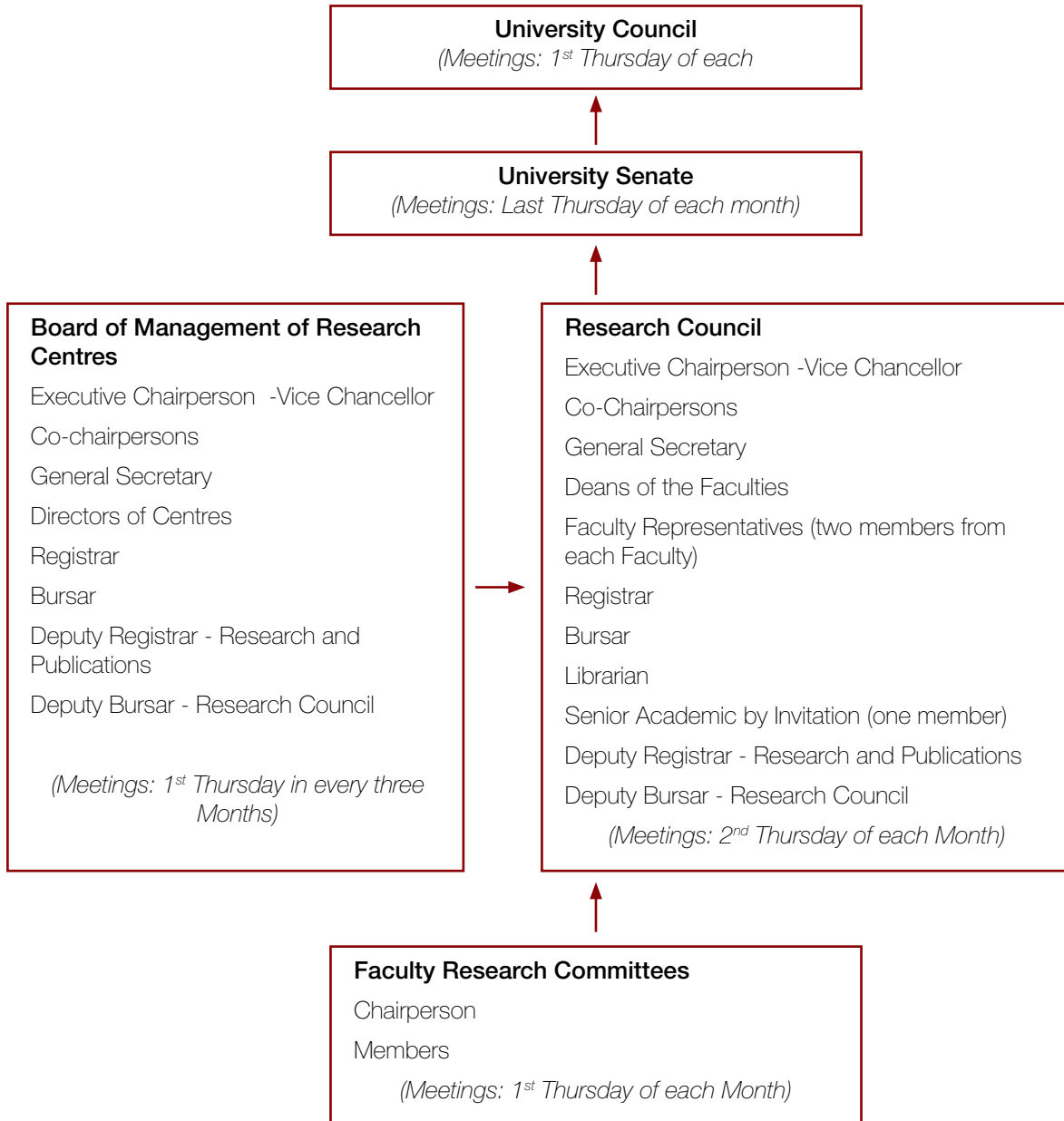


Figure 1: Organizational Structure

The Research Council contd.

3. RESEARCH CENTRES

Twenty one Research Centres currently operate under the Research Council. These centres have been founded within the respective Faculties by committed and enthusiastic academics with strong research backgrounds. With the establishment of the RC-USJ, all such centres have been brought under its purview, creating a common research and development innovation platform for the convergence and cooperation.

The Research Centres are as follows:

1. Centre for Water Quality and Algae Research
2. Centre for Dengue Research
3. Centre for Advanced Materials Research
4. Centre for Cancer Research
5. Centre for Kidney Research
6. Research Centre for Management Studies and Commerce
7. Multidisciplinary Research Centre
8. Centre for Forestry and Environment
9. Centre for Biotechnology
10. Interdisciplinary Centre for Innovation in Biotechnology and Neuro Science
11. National Centre for Primary Care and Allergy Research
12. Innovation Centre for Robotics and Intelligent Systems
13. Apple Research and Development Centre
14. Research Centre for Governance and Public Policy
15. Centre for Plant Materials and Herbal Products Research
16. Research and Professional Development Centre, Department of Estate Management and Valuation
17. Ecosphere Resilience Research Centre
18. Non Communicable Diseases Research Centre (NCDRC)
19. Centre for Mindfulness-based Research and Practices
20. Centre for Advanced Forensic Research
21. Centre for Marine Science and Technology (CMST)

Terms and conditions on fund allocation for research centres

1. The fund allocation to the respective research centres will be informed by the Research Council of USJ at the beginning of the financial year. The budget along with the action plan for the year of the respective Research Centres should be submitted to the Research Council according to the format given below on or before the deadline given. Fund allocation is subjected to progress of the research centres.

Budget Estimation Format for Research Centres

Budget Estimation for the Centre for.....	
University of Sri Jayewardenepura – Sri Lanka	
Research Expenses (50%)	
Equipment, Chemicals, Consumables and other research expenses, Outsource of sample analysis, Local Traveling for research purpose	
Infrastructure development	
Services (40%)	
Allowances for Research Assistants/Technical Assistants	
Allocation for field assistants	
Ethics proposals/ registration with professional societies	
Administration	
Miscellaneous	
Training Programs in Relevant Field	
Total	

Proposed Action plan for the year 20xx

Category	Activity	KPI

2. Key Performance Indicators based on which fund allocation is done are as follows

a. Research Papers published by the centre.

- i. Full papers
 1. Indexed journals
 2. Refereed journals
- ii. Abstract publications
- iii. Publication of conference proceedings
- iv. Keynote addresses
- v. Any other publications (books, book chapters, reports etc.)

The Research Council contd.

- b. National and international research collaborations, projects on National Development
 - c. PhD, MPhil, MSc, MBA research projects ongoing and completed
 - d. National and International Research Grants obtained
 - e. Awards (Excluding the University Research Awards)
 - f. Earnings
3. Only 40% of the allocated funds can be utilized for human resources. In an unlikely event where the Research Centre needs to spend more than the allocated percentage for human resources, Research Council approval should be sought with a justification.
4. The progress of the respective research centres needs to be presented to the Research Council on quarterly basis on stipulated dates by the Research Council according to the format given below.

Progress Report Format for Research Centres

Section 1: Detailed Progress Report Format for Research Centres

Name of the Research Centre:

Period Covered : 01st January 20XX – 31st March 20XX

1. Procurement of equipment, materials and human resources

- a. Procurement of equipment
- b. Procurement of materials (chemicals, etc.)
- c. Procurement of human resources (research assistants, etc.)

2. All publications produced by the centre should contain the name of the research centre and University of Sri Jayewardenepura as author affiliation and the USJ email address as the corresponding address.

3. Evidence of each paper in hardcopy form should be submitted.

- a. Full papers
 - i. Indexed journals (authors, application, title, journal. vol. pg. etc)
 - ii. Refereed journals (authors, application, title, journal. vol. pg. etc.)
- b. Abstract publications (authors, application, title, journal. vol. pg. etc.)
- c. Publication of conference proceedings (authors, application, title, journal. vol. pg. etc.)
- d. Keynote addresses (authors, application, title, journal. vol. pg. etc.)
- e. Any other publications (books, book chapters, reports etc.)

4. National and international research collaborations (please provide necessary details)

5. Projects on national development (please provide necessary details)

6. PhD, MPhil, MSc, MBA research projects

7. National and international research grants (please provide; granted agency/institute, grant number, title, amount, etc.)

8. Awards

9. Earnings

10. The respective Financial Statements of the Centre from 01st January 20XX – 31st March 20XX (should be obtained from SAB and attached herewith with this progress report)

Name of the Director:

Signature:

Date:

The Research Council contd.

Section 2: Progress of the Research Centres – Summary Report

Period Covered: 01st January 20XX – 31st March 20XX

No.	Name of the Centre	Name of the Director	Procurements				Publications (should be published—working papers not accepted--and the author affiliations should be with the Centre)	Conferences/workshops/Seminars held/funded	National and International Collaborations	Projects on National Development	PhD, MPhil, Research Projects (completed/Ongoing)	National and International Research Grants	Awards
			a. Equipment with Value in LKR	b. Materials/ Chemicals and Consumables with Value in LKR	c. Human Resources (e.g., Research Assistants, Post Docs, etc.)	d. Services Obtained							

5. By 15th July, the Director of the respective Research Centre should submit the financial statements for the first six months obtained from bursar of the respective Faculty to the Research Council.
6. At the end of the financial year, the Director of the respective Research Centre should submit a detailed progress report WITH EVIDENCE (according to the given format above) with the annual financial statements obtained from the bursar of the respective faculty to the Research Council by 15th January of the following year.
7. All the publications published by the Research Centre should contain the name of the respective Research Centre and the University of Sri Jayewardenepura as the affiliation and the USJ email address as the corresponding address.
8. All procurements and expenditure should strictly follow financial regulations and the procurement guidelines of the government of Sri Lanka. Allocated money should not be awarded as Research Grants, but utilized within the centre under the supervision of the Director unless special permission is obtained or University Research Council requests to do so.
9. Any **URGENT** procurement documents should be directed to the Vice Chancellor through the Faculty Bursar for approval. All such documents should be sent in separate files with **special sticker** provided by the Research Council.
10. Publication charges or conference support should not be provided by the Research Centres, as separate grant schemes are available through Research Council.
11. Money allocated should only be utilized for research related activities.
12. The fund allocation for the subsequent financial period will be based on the performance of the prior period.

3.1. THE MANAGEMENT STRUCTURE

Each Research Centre will consist of a Board of Management as follows.

- Director
- Members of the board
- External members
- Senior Assistant Bursar of the Faculty-Ex-officio post

The meetings of the Board of Management of the respective Research Centres shall be conducted once in three months a time. The minutes of the respective meetings and the three-monthly progress reports should be submitted to the Board of Management of Research Centres, which will be held once in three months a time. The Directors of the Research Centres should present progress and discuss any problems encountered at these meetings. The Board of Management of Research Centres shall submit a detailed report to the Research Council on a quarterly basis.

The Research Council contd.

3.2. RESEARCH CENTRES

a. Centre for Water Quality and Algae Research - Faculty of Applied Sciences

Water is a precious resource subject to a host of extreme environmental pressures which can affect water quality and pose a hazard to human and animal health. Water abstraction for domestic use, agricultural production, mining, industrial production, power generation, and forestry practices can lead to deterioration in water quality and quantity. Under natural or human influence water may contain harmful substances which make it unsuitable for consumption. These harmful substances may include metals such as mercury, lead and cadmium, pesticides, organic toxins, radioactive compounds and etc. Many water quality issues are due to hazardous microbes present in drinking water.

Thus, the assessment of physical, chemical and biological parameters of water is obligatory to ensure safety of different water user categories. Highest standards of purity and quality in water are required for drinking purposes in comparison to irrigational, agricultural and industrial water user categories.

However, unfortunately failures in provision of safe and clean water for above user categories have resulted in serious health issues in recent days. Especially the outbreaks of various water related diseases following recent floods and heavy rainfall in Sri Lanka are merely the results of sheer negligence of public regarding safe drinking water.

Other major problem is the occurrence of cyanobacterial blooms which may produce a range of deadly toxins (cyanotoxins). Acute exposure to these toxins has been responsible for human and animal fatalities, whereas, chronic exposure has been shown to be responsible for primary liver cancer in epidemiological studies. Cases of chronic kidney disease of unknown origin in Sri Lanka (CKDu) have increased alarmingly over recent decades leading to national concern and urgent need for action.

Water quality and algae laboratory was established in 2011 and it was upgraded to "Centre for Water Quality and Algae Research" in 2015, under the purview of the present Vice-chancellor. The centre caters in many disciplines to give solutions for water quality problems, algae related problems, cyanotoxins in drinking water and foul taste and odour problems. This will be the first ever full-fledged state of the art Water Quality and Algae Research Laboratory in Sri Lanka and the centre has research collaboration with national research institutes such as MRI and IBBM. Number of foreign collaborations are operating with UK, USA and German universities and all the projects are looking into prevailing water related health problems in Sri Lanka.

Mission

To promote water quality research, strengthen research facilities in applied research enhancing research support to postgraduates, other researchers/scientists to find solution for water quality problem.

Objectives

1. To strengthen research facility and conduct research on water quality and algae issues to understand the problem status and give/suggest solution.
2. To promote, research with water industry; special emphasis will be given to NWSDB based on their requirement.
3. To encourage and strengthen co-operation among researchers who do research in water quality and cyanotoxins both in national and international level.
4. To provide access to such researchers to global scientific and technological research knowledge and such activity.

Advisory Panel

1. Prof. M.M. Pathmalal (Director)
2. Prof. Linda A Lawton
3. Dr. Christine Edwards
4. Prof. Zaithero Zuzuki
5. Dr. Kamal Ranathunga
6. Dr. F.S. Idroos
7. Dr. S.D.M. Chinthaka
8. Prof. N. Kottegoda
9. Dr. Sujatha Pathirage
10. Eng. Mr. S. Sumanaweera

Active Collaborations/Collaborators

National Collaborations

1. Water and Food Laboratory, Medical Research Institute
2. Irrigation Department
3. National Water Supply and Drainage Board
4. Ministry of Mahaweli Development and Environment
5. United Nations Development Programme (UNDP)
6. International Water Management Institute (IWMI)

International Collaborations

1. Prof. Linda A Lawton and Dr Christine Edwards- School of Pharmacy and of Life Science, IDEAS Research Institute, Robert Gordon University, UK.
2. Research Triangle Institute (RTI), USA.
3. Laboratory of Veterinary Public Health, Department of Veterinary Medicine, Graduate School of Agricultural and Life Sciences, The University of Tokyo
4. Prof. Zaithero Zuzuki, Integrated Collage of Agriculture, Department of Life Environmental Conservation Science, Ehime University, Japan.
5. University of Maine, Orono, ME, USA.
6. Prof. Alistair Boxal, Yalk University, UK.

Facilities Available

High Performance Liquid Chromatography (HPLC), Enzyme-Linked Immunosorbent Assay (ELISA) Machine, Laminar flow cabinet, UV vis Spectrophotometer, Polymerase Chain Reaction (PCR) Machine, UV transilluminator with Gel system, Top loading Autoclave, Manifold filtration system, Sonicator, E.coli incubator, Shaking incubator, Rotary Evaporator, Drying oven, Water bath, Bio safety laminar flow, Freeze dryer, Refrigerated centrifuge, Fluorescent Microscope, CO2 incubator, SDE Page system.

The Research Council contd.

b. Centre for Dengue Research – Faculty of Medical Sciences

The Centre for Dengue Research (CDR) at the University of Sri Jayewardenepura, is a state of art research facility, which pioneers research in the pathogenesis of dengue infection. The CDR was established in 2012, following a cabinet directive in order to combine national and international resources to find long lasting solutions to the dengue menace. Prof. Krishan Deharagoda, who was the Professor of Geography of the University of Sri Jayewardenepura was instrumental in establishing the CDR. The current advisory panel consists of Prof. Graham Ogg and Prof. Nicole Zitzmann from University of Oxford and Dr. Ananda Wijewickrama of the National Institute of Infectious Diseases. Prof. Neelika Malavige has been the director of this Centre since its inception supported by Dr. Chandima Jeewandara who is a board member. We have a very dedicated group of postgraduate students, post-doctoral scientists and research assistants working around the clock to find long lasting solutions for dengue infection.

Active Collaborations/Collaborators

We collaborate with several local organizations and with international research centres such as the MRC Human Immunology Unit, University of Oxford; Victoria Infectious Diseases Reference Laboratory (VIDRL), Melbourne; Singapore Immunology Network, University of North Carolina, USA and National Cheng Kung University, Taiwan. The CDR receives funding by many organizations such as the University of Sri Jayewardenepura and grants from the National Science Foundation and National Research Council, Sri Lanka and the National Institute of Health (NIH), USA. The state of art research laboratory, which is now located at the new laboratory of the Department of Family Medicine, University of Sri Jayewardenepura, is regularly visited by many undergraduate and postgraduate students from overseas and also visiting professors from University of Oxford.

Facilities Available

The state of the art facilities include facilities for cell culture, 10-colour flowcytometry, multi-bead cytokine array analysis, DNA and RNA quantification, ELISA reader, real time PCR and long-term storage facilities.

c. Centre for Advanced Materials Research - Faculty of Applied Sciences

Advanced material technologies have already conjured up speculation about a seismic shift in almost every aspect of science and engineering. They have already insinuated into our lifestyles through innovations leading to develop methodologies to generate cleaner energy, purify water, smart materials, new drug delivery systems, faster and cheaper manufacturing processes as well as the next generation computing devices. For example, out of the many such developments nanotechnology promises more for less: smaller, cheaper, lighter and faster devices with greater functionality, using less material and consuming less energy. As a result, today there is an increased research focus in development of new materials through multi-disciplinary. Fundamental and applied researches on such applications are major part of the innovations, where global research focus has been recently on. In order to move in par with the global paradigm shifts in science and technology focus, Centre for Advanced Materials Research was established in 2015. The centre focuses on advanced technologies in order to uniquely value add to our science and technology output as well as enabling our graduates to be equally competent and competitive with the other graduates emerging from world class universities and research backgrounds. Furthermore, it is expected to create a continuous pool of talents required for moving towards an “innovation driven knowledge-based economy model for a smarter nation”.

Mission

- To provide an enabling innovation environment with advanced equipment and support facilities
- To increase the visibility of materials research
- To gain the international and national recognition
- To strengthen the interactions with industry
- To initiate and encourage opportunities for interdisciplinary materials research

Objectives

1. Provide an enabling innovation environment with advanced equipment and support facilities.
2. Create an environment where scientific knowledge and technology could be developed, acquired, and exploited in order to cater for the modern requirements.
3. Infuse the research culture strongly into academia at a time when innovation and research culture is poorly established in Sri Lankan academic portfolio due to poor infra-structure facilities.
4. Promote quality of the intellectual property pool through high quality publications, IPs and technology transfer.
5. Promote an interdisciplinary research and innovation culture.
6. Promote the local research standards to a level that matches the global standards.
7. Increase the post graduate output efficiency.
8. Minimize barriers to research output.
9. Promote collaborative research activities with the industries.

Advisory Panel

1. Dr. Thilini Gunasekara (Director)
2. Dr. Thusitha Etampawala
3. Prof. Sudantha Liyanage
4. Prof. Nilwala Kottegoda
5. Prof. Laleen Karunanayake
6. Dr. Nilmini Liyanage
7. Dr. Theshini Perera
8. Dr. Madhubashini Maddumarachchi
9. Dr. Duleepa Pitigala

Active Collaborations/Collaborators

MAS Holdings (Pvt) Ltd

Facilities Available

Powder X-ray Diffractometer, Facilities for advanced computational studies, Impedance spectroscopy – purchase in progress, Thermogravimetric analysis/differential scanning calorimetry – purchase in progress

The Research Council contd.

d. Centre for Cancer Research – Faculty of Medical Sciences

Centre for cancer research was established in July 2015 under the patronage of the Vice Chancellor of the University of Sri Jayewardenepura, Snr. Prof. Sampath Amaratunge and Dean Faculty of Medical Sciences, Snr. Prof. Surangi Yasawardane.

The aim of this project was to initiate, facilitate and support basic and applied scientific research related to cancer by universities and multidisciplinary collaborative research centres that address themes of national importance.

The activities of the centre are mainly focused on the scientific community in Sri Lanka through provision of funds under the cancer research grant. By providing funds the centre will support numerous research, development & innovation activities/ programmes in all related fields of cancer with a view to enhance the outputs and outcomes which will ultimately benefit the Sri Lankan society. The scientists are encouraged to carry out quality research and innovations which will have a direct impact on the health care system of Sri Lanka.

Mission

To reach the highest standard of scientific research and to disseminate high quality scientific information related to cancer.

Objectives

1. Expand the methods of early diagnosis of cancer by developing effective screening tests.
2. Enhance promising research towards early stage disease.
3. Better understanding of the causative factors of cancer.
4. Promote research in molecular biology of cancer.
5. Prioritize the development of new biomarkers.
6. Facilitate a major shift in preventive methods of cancer.
7. Discover & develop new therapeutics for cancer.
8. Re-define the treatment options of cancer.
9. Encourage collaborative approaches in cancer research.
10. Develop the cancer research leaders of tomorrow.

Advisory Panel

1. Dr. Bimalka Seneviratne (Director)
2. Snr. Professor Sampath Amaratunge
3. Snr. Professor Surangi Yasawardane
4. Snr. Professor Pathmalal Manage
5. Snr. Professor Lalitha Fernando
6. Snr. Prof. Hemantha Peiris
7. Prof. Neelika Malavige
8. Prof. Rasika Perera
9. Dr. Theshini Perera

Facilities available

Immunohistochemistry laboratory

Fully equipped immunohistochemistry laboratory, funded by the Cancer Research Grant/USJ, was established in April 2017. Immunohistochemistry (IHC) is a method for localizing specific antigens in tissues or cells based on antigen-antibody recognition.

e. Centre for Kidney Research – Faculty of Medical Sciences

Chronic Kidney Disease (CKD) has become a major global public health concern, as the world wide prevalence is estimated to be 8-16%. Diabetes mellitus, hypertension, urological disorders and chronic glomerulonephritis are the main aetiological factors of CKD. Due to the rapid increase in diabetes mellitus in Sri Lanka, it is predicted that the incidence of renal failure due to diabetic nephropathy will further rise in the future, causing a huge burden on the health care resources. Further, the prevalence of CKD is reported to be increasing since 1990s in the North Central Region of Sri Lanka in which the etiology is not related to the known risk factors of CKD. It is considered as a new disease entity and referred to as CKD of unknown aetiology (CKDu). In order to effectively tackle the CKD epidemic, it is crucial to carry out research in determining early diagnostic markers, risk factors, prognostic indicators as well as effective treatment modalities.

Mission

To carry out multidisciplinary scientific research that will benefit patients with kidney disease in Sri Lanka by contributing to prevention, early detection and effective treatment.

Objectives

1. To facilitate best clinical research in kidney disease by collaborations with other relevant specialties and departments of University of Sri Jayewardenepura.
2. To promote multidisciplinary and interdisciplinary collaborative work with National and International Research Centres.
3. To create a critical mass within the University of Sri Jayewardenepura in the field of kidney disease research.

Advisory Panel

1. Prof. Kamani Wanigasuriya (Director)
2. Snr. Prof. Hemantha Peiris
3. Prof. Rasika Perera
4. Dr. Bimalka Seneviratne
5. Dr. Narayan Sirimuthu
6. Dr. Nalinda Silva

The Research Council contd.

Active Collaborations/Collaborators

1. Snr. Prof. M Pathmalal, Department of Zoology, Faculty Applied of Sciences, University of Sri Jayewardenepura, Sri Lanka
2. Prof. Rajitha Wickramasingha, Department of Public Health Medicine, Faculty of Medicine, University of Kelaniya, Sri Lanka
3. Keith E Levine, Research Triangle Institute, North Carolina, USA
4. Prof. Nishad Jayasundara, Assistant Professor, School of Marine Sciences, Graduate School of Biomedical Science and Engineering, University of Maine, Orono, USA

f. Centre for Management Studies & Commerce Research - Faculty of Management Studies and Commerce

The Research Centre for Management Studies and Commerce (RC-MS), established in the year 2015 at the Faculty of Management Studies and Commerce (FMSC) is dedicated to management related research work. The Research Centre promotes and addresses academic as well as national issues in the field; establishes strong links between the FMSC and the industry in terms of research; and in general contributes actively to the economic development of the country. Consequently, the centre provides opportunity for industry research in a variety of research projects in the field. It also offers a unique opportunity for postgraduate research candidates, faculty from visiting institutions and post-doctoral students to further their studies and engage in collaborative research efforts with the faculty on their request. In addition, visiting scholars are expected from local as well as from foreign countries.

Mission

The mission of the Centre is to be a prime leading centre for management research, knowledge creation and dissemination.

Objectives

Main Objectives

- a. The purpose of research centre is to promote and facilitate the development of new research initiatives including sub-research centres and to enhance broad-based and collaborative research efforts through single or multi-disciplinary fields.
- b. Establishing strong links between the Faculty of Management Studies and Commerce (FMSC) and the industry in terms of research, undertaking consultancies from the government and private sector organizations including the SME sector.

Ancillary Objectives

- a. Self-generating funds through direct grants and through related programs, workshops, etc. and provision of benefits for researchers, FMSC, University and the society.
- b. Contribute actively to the economic development of the country

Advisory Panel

Executive Committee: the Executive Committee of the centre shall consist of Director, Secretary, Treasurer and the Dean of the Faculty (Ex-Officio).

Board of Directors (BOD): comprises with nine members. The BOD consists of Director, Secretary, Treasurer, three representatives from research clusters, and two members from Industry. Dean of the Faculty will be a member of the board.

Active Collaborations/Collaborators

Currently the Research Centre for Management Studies and Commerce has undertaken two research projects on behalf of the Sri Lanka Institute of Local Governance.

Facilities Available

The Research Centre for Management Studies and Commerce is facilitated with a Resource Centre which provides a comfortable environment with technological tools and other resources required for the researchers to conduct their research activities. The resource centre is established in the newly constructed building of the Faculty of Management Studies and Commerce.

g. Centre for Multi-Disciplinary Studies – Faculty of Humanities & Social Sciences

The Multi-disciplinary Research Centre functions under the Faculty of Humanities and Social Sciences. The members of the eleven departments of the faculty, nearly 130, are the researchers of the Centre. In addition, it pervades the boundaries whenever it needs the involvement of other faculties.

Mission

The mission of the Faculty of Humanities and Social Sciences is to contribute to the development of the community and the nation at large through the dissemination and enhancement of knowledge enriched with the country's cultural heritage. As such the mission of the research centre is to fulfill the faculty's mission by engaging in multi-disciplinary research.

Objectives

The main objective of this centre is to engage in research of national importance through multidisciplinary approach. In addition to increase the research output of the members of the faculty with the interaction of local and foreign public and private sector organizations, academics and practitioners.

Advisory Panel

1. Prof. Charmalie Nahallage (Director)
2. Prof. D.P.S. Chandrakumara
3. Ven. Prof. Madagampitiye Vijitha Damma
4. Ven. Dr. Pinnawala Sangasumana
5. Dr. W.B.A. Witharana
6. Dr. Sujeewa Hettiarachchi

The Research Council contd.

Active Collaborations/Collaborators

The MDRC have two active collaborations:

1. One with The International Institute of Knowledge Management: the MDRC is the hosting partner of the International Conference of Social Sciences in organizing the ICOSS that is participated by many local and foreign participants.
2. Research Collaboration with Kyoto University's Primate Research Institute.

Facilities Available

The Centre has facilitated in the establishment of research facilities in many departments to conduct research. Namely the Mindfulness Research Centre in the Department of Pali and Buddhism, Archaeology Museum in the Department of Archaeology and History, English Language Laboratory in the Department of English and Linguistics and Music laboratory in the Department of Cultural and Performing Arts.

h. Centre for Forestry and Environment- Faculty of Applied Sciences

The Centre for Forestry and Environment (CFE) was established in 2016 to conduct high quality research projects in forestry and environment sectors by the academic members of the Department of Forestry and Environmental Science with the collaboration of the researchers in other departments of the University of Sri Jayewardenepura and research institutes in Sri Lanka and other countries. The facilities given to the centre are also used to train the students of the Department at BSc, MSc, MPhil and PhD levels in high quality research. The uniqueness of this centre is the capability of bringing many researchers into a single team so that they can undertake the tasks which may not be able complete by one or two persons. Since the forestry and environment sectors cover a vast area facing immense problems at present, such collaboration is necessary to achieve better results which are useful for the betterment of the country.

Mission

The mission of the CFE is to conduct research on forest and environmental problems facing the nation and world; to increase the knowledge dissemination; to enhance the status of the university by publishing the findings in high quality journals; to provide a mechanism where by existing research capabilities in the department and university to be matched with funding sources; to contribute to the university's graduate and undergraduate programs by involving students in research projects through assistantships and other work arrangements.

Objectives

1. Conduct high quality research projects to solve the prevailing issues of the forestry and environment sectors in Sri Lanka.
2. Contribute to the development of the nation by findings of the intended high quality researches.
3. Publish the research findings in scientific journals including those listed in Science Citation Index to enhance the status of the University of Sri Jayewardenepura.
4. Train the students at postgraduate and undergraduate levels for conducting high quality research.

Advisory Panel

1. Prof. Upul Subasinghe (Director)
2. Prof. H.S. Amarasekara
3. Dr. Prasanthi Gunawardene
4. Dr. N. Ruwanpathirana
5. Mr. K.P. Ariyadasa

Facilities Available

1. Tree stem scanner
2. Measuring light penetrating forest canopy
3. Portable gas analyser
4. Trial cameras for animal behavioural studies
5. Weather station

i. Centre for Biotechnology – Faculty of Applied Sciences

Opening new insights in the fields of Biotechnology, the Department of Zoology, University of Sri Jayewardenepura establishes a Centre for Biotechnology, in order to cater the research needs in the fields of biotechnological applications for timely issues in science in Sri Lanka. Further, the centre looks forward to welcome and encourage National and International collaborations in multidisciplinary fields of Biotechnology, to progress in developing quality research for national development. Opening new insights in the field of Biotechnology, the Centre for Biotechnology (CBT) was established in 2016 to cater to the research and industrial needs of the field in a timely manner. The centre is dedicated to actively combating current health issues in the area through involvement and communication with the relevant health officers, to conduct high-quality research addressing current issues, to train individuals in various aspects of Molecular Biology and Biotechnology and to scout new avenues to acquire cutting-edge equipment, technology and knowledge to augment the overall research experience. In a world where everything is intertwined, CBT welcomes and encourages national and international collaborations that will enhance multidisciplinary research, taking research in Sri Lanka to new heights.

Mission

To create an institutional space dedicated to quality research, education and community outreach guided by sound academic, scientific and ethical principles.

Objectives

1. Build a multidisciplinary research Centre in Molecular Biology and Biotechnology.
2. Conduct high quality research projects to address timely issues in Sri Lanka and worldwide.
3. Contribute to knowledge dissemination efforts within the scientific community.
4. Enhance research skills through proper guidance and encouragement.
5. Contribute to the national development by initiating industry orientated research.
6. Promote centralized facilities for new and modern techniques in the interdisciplinary areas pertinent to Molecular Biology and Biotechnology.

The Research Council contd.

Advisory Panel

1. Prof. B.G.D.N.K. de Silva (Director)
2. Prof. L.D.C. Peiris
3. Prof. R.S. Dassanayake
4. Dr K.V.K. Gunathilaka
5. Dr I.N. Harischandra
6. Dr H. Harischandra
7. Dr M.D.M. Fernando
8. Senior Assistant Bursar

Active Collaborations/Collaborators

1. Dr. Jayantha Wijayabandara - Bandaranaike Memorial Ayurvedic Research Institute, Navinna
2. Prof. Harendra de Silva, Professor Emeritus of Pediatrics (SL)
3. Dr. Lakkumar Fernando - Centre for Clinical management of Dengue and Dengue hemorrhagic fever, Negombo
4. Prof. William Black IV - Colorado State University, USA
5. Dr. Rushika Perera - Colorado State University, USA
6. Prof. Nilanthi de Silva - Faculty of Medicine, University of Kelaniya
7. Prof. Michael Kimber – Iowa State University, USA

Facilities Available

Thermal cyclers, Gel Electrophoresis & visualization system, Laminar flow cabinet, Micro-centrifuge, Weather station, Refrigerators (+4°C,-200°C,-800°C), Analytical balance, Vortex machine, DNA quantifier, Distilled water plant, and Binocular light microscope.

j. Interdisciplinary Centre for Innovation in Biotechnology and Neurosciences – Faculty of Medical Sciences

Interdisciplinary Centre for Innovations in Biotechnology and Neuroscience (ICIBN), was established by Prof. Ranil de Silva, as the Director facilitating interdisciplinary and multidisciplinary approaches to conduct innovative research in biomedical sciences, biotechnology and neuroscience by sharing human resources accommodating common technological instrumentation, infrastructure and research material in mutual agreed collaborative projects. Furthermore, there are free diagnostic genetic testing services for selected Triplet Repeat Disorders, Neuromuscular Disorders, Neurodegenerative Disorders and Stroke as the one and only state sector free genetic diagnostic facility in the country. Free genetic testing service facilitated by establishing Genetic Diagnostic Hubs in Sri Lanka targeting the South Asian Market amalgamating BGI Genomic, China (<https://www.bgi.com/global/>). The centre aims at developing an income generating and self- sustaining entity via sustainable future inventions and innovations by collaborating with local and international institutes. The Centre has been successful in initiating the Centre for Public, Private and People's Partnership (CP4), as a business incubator that has been established under the Innovation, Invention and Venture Creation Council (IIVCC), USJ. This Business incubator utilizes professional skills, facilitates innovators to produce prototypes, commercializes their innovations and develops student centric programs.

ICIBN has also successfully established the one and only "Brain Bank" which consists of 76 brain samples in Sri Lanka and has been the most comprehensive and largest study done across India and Sri Lanka where the data was

published in high impact journals such as Current Alzheimer Research (Impact factor, 2.952) and Journal of Alzheimer Disease (Impact Factor, 3.920). It also consists of the largest Bio-repository of DNA/Gene Bank in South Asia with socio-demographic & clinical data of over 2000 patients with stroke, neurodegenerative, neuromuscular diseases. ICIBN continues research mainly on unique Sri Lankan natural products on neurodegenerative and neuromuscular diseases.

The centre initiates opportunities for Double Doctorial PhD Programme/ post graduate scholarships by collaborating with international high-ranking universities through international MoUs with Australia, Europe, USA, Japan, China, Thailand and Korea.

ICIBN jointly-operates with the Chinese Institute of International Education (CIIE) and USJ in originating the Belt and Road Institute of Innovation and Incubation (BRILL) to implement academic research projects, students mobility projects, cultural programs and public private partnership.

Mission

- Integrating science and tradition through a multidisciplinary, non-hierarchical blending of existing healthcare systems in Sri Lanka leading to a seamless continuum of innovative research and services.
- The development of the community and enhance communication and collaboration among investigators in this multidisciplinary field

Objectives

1. To become a hub for genetic research in South Asia leading to free diagnostic genetic testing services and personalized medicine.
2. To develop human resources through international collaborations.
3. To offer Joint/ Split Bilateral Double Doctoral MPhil/ PhD through already signed MOUs between Europe, China, Japan, USA, Australia and USJ.
4. To generate income by undertaking service-based research and providing laboratory training.
5. To form strong, strategic partnerships with industry through international collaboration for academic entrepreneurship, commercialization of intellectual property and adding value to traditional/ indigenous/ unique natural resources.

The Research Council contd.

Advisory Panel

Prof. Ranil de Silva (Director)

International

1. Dr Bandula Wijay, University of Houston, USA
2. Athula B. Attygalle, Department of Chemistry, Stevens Institute of Technology, USA

National

1. Dr. S.A.A.M Subasinghe
2. Dr. Rajitha Gunaratne
3. Ven. Dr. Medagampitiye Wijithadhamma
4. Mr. M.V.S.S Udayanga
5. Prof. Pradeep M. Jayaweera
6. Prof. B.G.D.N.K De Silva
7. Dr. M.R.P.H. Liyanage
8. Prof. S.B. Navaratne

Active Collaborations/Collaborators

1. Prof. Eric Hoffman, Pharmaceutical Science and Associate Dean for Research, Binghamton University, USA
2. Prof. Harry Steinbusch(H.W.M) - Maastricht University, Netherland
3. Prof. Yetrib Hathout, Pharmaceutical Sciences, Binghamton University, USA
4. Prof. Javad Nazarian, ProfessorAssociate, Intergrative system biology,George Washington University, USA
5. Prof. Zetterberg Henrik, Department of Psychiatry and Neurochemistry, Institute of Neuroscience and Physiology, Gothenburg University, Sweden
6. Dr. Sunil Kaul, Chief Research Scientist, AIST, Japan
7. Dr. Renu Wadhwa, National Institute of Advanced Industrial Science and Technology, Japan
8. Dr. Ashwin Dalal, The Centre for DNA Fingerprinting and Diagnostics, Hyderabad, India
9. Prof. Mitali Mukerji, CSIR Institute of Genomics and Intergrative Biology, India
10. Dr. Mohommed Faruq, CSIR Institute of Genomics and Intergrative Biology, India

Facilities Available

Laminar air flow, Auto Clave, Magnetic stirrer, PCR machine, Gell documentation, Nitrogen tank, Camera (Gel Doc Unit), Orbital Shaker, Step down converter, Ultra centrifuge, Image analyzer, Phosphorimager.

k. National Centre for Primary Care and Allergy Research –Faculty of Medical Sciences

National Centre for Primary Care and Allergy Research (NCPCAR) was established on 18th May 2017 under the University of Sri Jayewardenepura as part of its Township Master Plan, with the intention of uplifting the university research standards to an international caliber, while extending benefits for the neighborhood community.

Mission

Provide independent, objective, and expert scientific and medical research on the fields of primary care, allergy and palliative care through interdisciplinary collaborations.

Objectives

The centre function under three main arms.

(a) Primary Care arm

The primary objective is to enhance the research and capacities of the basic, clinical, public health and other connected scientists in University of Sri Jayewardenepura that would have a direct impact in providing solutions to the major health issues in Sri Lanka as well as globally.

(b) Allergy arm

We thrive to design, initiate, implement and continue high-quality research in our Allergy Research Centre with state-of-the-art developments to enhance allergy related patient care. Research in the fields of prevention, diagnosing and treatment will enable us to contribute to better quality of life for allergic patients as well as to develop interventions to prevent and treat allergic diseases. Currently we are the national reference centre for patients with allergic disease. "Save-A-Life" project which aims at free distribution of essential medication as a life-saving measure in patients with severe allergies.

(c) Palliative Care arm

Being a novel clinical discipline to Sri Lanka, Palliative Medicine aims to improve the quality of lives of patients and their families faced with life limiting illnesses. Clinical palliation of patients requiring such services that live in the suburbs of the University is ensured through the Family Practice Centre which is a service rendered through the Department of Family Medicine.

Advisory Panel

1. Dr. Chandima Jeewandara (Director)
2. Dr. Chamath Fernando, (Coordinator)

Active Collaborations/Collaborators

APPROACH – Asian Patient Perspectives Regarding Oncology Awareness, Care and Health –International study in collaboration with Lien Centre for Palliative Care and DUKE, National University of Singapore.

Facilities Available

1. State-of-the-art research laboratory shared with many leading multinational personnel including post-doctoral researchers.
2. 'Hands on Training Workshop on Research' for MD trainees in Family Medicine
3. Flowcytometry workshops -SL-INDO-US CYTOMETRY Workshops for researchers
4. Allergy Clinic – main reference clinic for Allergy patients in Sri Lanka
5. Palliative Care Services
6. National Anaphylaxis register and "Save a Life" project for free distribution of Adrenalin Autoinjectors for the needy through fund raising campaigns.

The Research Council contd.

I. innovation Centre for Robotics and Intelligent Systems- Faculty of Applied Sciences

The field of robotics has grown tremendously in the last decade as new research has demonstrated its relevance and impact in fields as diverse as manufacturing, planetary exploration, medicine, healthcare, military, and consumer products. We have reached a turning point where this technology is moving from the purview of a handful of specialists (Mars rovers) to the general public (robotic cars, household robots, elderly care, companions, and unmanned search and rescue).

Since robots have increasingly made their way into functional roles in human environments (e.g., homes, schools, hospitals), they need to react appropriately to human expectations and behaviors. Moreover, a person working with a robot should not be required to learn a new form of interaction. According to the Human-Robot Interaction (HRI) Research Portal for the HRI Community, "HRI is a field of study dedicated to understanding, designing, and evaluating robotic systems for use by or with humans", including the topics of gesture and natural language communication, perceiving emotions and expressing their own artificial emotions, establishing social relationships, exhibition of different personalities and characters, recognition of interaction partner, and others.

Mission

Our robotic centre is capable of exploring the solution (e.g., robotic platforms) in a human-centric environment while conducting competitive research outcomes with world wide high ranking universities.

Objective

The main objectives of our research centre are as follows:

1. Creative design and engineering on all levels, and across all disciplines, rapid prototyping using in-house fabrication capabilities, and collaboration with sponsors to commercialize technology while embedding robotic automation in businesses to make a high impact on the Sri Lankan economy.
2. To develop the research capacity of academic staff members of USJ through research projects leading to the award of MPhil and PhD degrees.
3. To initiate collaborative projects with international research centres conducting similar research.

Advisory Panel

Dr P. Ravindra S De Silva (Director)

Active Collaborations/Collaborators

We are having international collaboration with Shibura Institute Technology, Japan and Canberra University, Australia.

Facilities Available

The proposed centre will be occupied as a modern research centre, which will facilitate in the areas of academic discussions, presentations, testing/demonstrations, and workshops. This modern environment will enhance our students' motivation to work in highly facilitated centre within a nice atmosphere. Our centre is facilitating following technologies and equipment to our students and staff.

1. Workshop area to build any kind of robotic platform
2. 3-D Printing
3. Facilitated to work in Smart textile and Drone technologies
4. Devices, Sensors, and Equipment
5. Motion capture system

m. Apple Development and Research Centre-Faculty of Applied Sciences

In the last two decades, the use of mobile technology has grown rapidly across the globe with different countries and regions having varying rates of adoption. From early 1990's the United States and Europe began manufacturing mobile phones with many countries in Europe reaching almost 100% mobile penetration by early 2000. These developed countries possess strong wired communication infrastructure that facilitate rapid growth in mobile communication as some mobile towers needs a wired backbone to capture signals and then broadcast. More recently in the last decade, mobile phone penetration in countries in the regions such as South America, North Africa, Asia and the Middle East grew as the technology became available in these emerging markets. Some of these countries even went into the extent of directly deploying 3G or 4G communication lines without commissioning 2G technology at the early stages.

As our routine life is starting to evolve around mobile technology, changing the way we access online material and the way we explore the world, the huge popularity of mobile technology has made the business establishments rethink how to change and adapt according to the developments in the mobile arena. The concept of a mobile app, from ordering a taxi to ordering food items through smartphones has ever changed the way we behave and carry on with our routine work in day-to-day life.

Therefore, the need for research and development in the Mobile Technologies has grown rapidly.

Mission

To engage in advance research and development in mobile technologies.

Objectives

The main objectives of the setting up an Apple Development and Research Centre are as follows:

1. To provide world-class mobile application development infrastructure
2. To produce highly-skilled graduates who are capable of developing applications for mobile platforms
3. To develop research capacity of academic staff members of USJ through research projects leading to the award of MPhil and PhD degrees.
4. To initiate collaborative projects with other mobile research and development centres

Advisory Panel

Prof. RGN Meegama (Director)

Dr. Ravindra De Silva

Dr. TGI Fernando

Mr. DDA Gamini

Active Collaborations/Collaborators

Dr Ravindra De Silva, Department of Computer Science

Dr Malinda Punchimudiyanse, Open University, Sri Lanka

Dr Salinda Premadasa, Sabaragamuwa University

The Research Council contd.

Facilities Available

1. Apple iMac Workstations (10)
2. High performance cluster (1 head node, 8 worker nodes)
3. Network attached storage (8 TB)

n. Research Centre for Governance and Public Policy – Faculty of Management Studies and Commerce

The Research Centre for Governance and Public Policy was established in January 2018 by the Department of Public Administration, Faculty of Management Studies and Commerce of the University of Sri Jayewardenepura with the aim of promoting and enhancing a dynamic and open research culture in the public sector

Mission

To carry out high-quality researches and publications, collaborating with international and national partners to promote research culture and enhancing reputation in the area of public policy analysis and governance.

Advisory Panel

Snr. Prof. R. Lalitha. S. Fernando (Director)

Dr U. Anura Kumara

Prof. Y. K. Weerakoon Banda

Dr M. H. A. Sisira Kumara

Dr L. A. P. Madhuwanthi

Mr. H. T. Kamal Pathmasiri, Secretary, Ministry of Provincial Councils and Local Government, Sri Lanka.

Mr. Nayanana Nilwala, Secretary, Ministry of Agriculture, Land Irrigation, Fisheries Animal Product & Health and Agrarian Development, Western Provincial Council, Sri Lanka

The Chairperson of the Faculty Research Committee - Faculty of Management Studies and Commerce

Senior Assistant Bursar of the Faculty of Management Studies and Commerce

Active Collaborations/Collaborators

The Centre actively engages in research and training with the Network of Asia Pacific Schools and Institutes of Public Administration and Governance (NAPSIPAG). Currently, Snr. Processor Lalitha S. Fernando, the Director of the Centre is the General Secretary of the NAPSIPAG.

The Centre is organizing an International Conference on Sustainable Development in collaboration with the Ministry of Agriculture Land Irrigation Animal Production & Health and Agrarian Development, Western Province and Network of Asia Pacific Schools and Institutes of Public Administration and Governance (NAPSIPAG) and the Alumni Association of Public Administration, Date and venue: 6th and 7th October 2018 at Hotel Taj Samudra, Colombo, Sri Lanka.

o. Centre For Plant Materials and Herbal Products Research - Faculty of Applied Sciences

Sri Lanka is a tropical island with rich diversity in flora and fauna and thus is considered as a biodiversity hotspot. In addition, Sri Lanka has its own rich traditions of indigenous medicinal systems, which have been practiced for many centuries based on knowledge handed down from generation to generation. This provides a rich ethno medical and ethno pharmacological basis for multidisciplinary and collaborative research in plant materials and herbal products.

The University of Sri Jayewardenepura, identifying the need for enhanced attention in harnessing the potential of readily available indigenous knowledge and herbal resources towards research and development on plant material and herbal products, has established the Centre for Plant Materials and Herbal Products in October 2017 under the patronage of the Vice Chancellor Snr.Prof. Sampath Amaratunge and the Dean of Faculty of Applied Sciences, Snr.Prof.Sudantha Liyanage at the Faculty of Applied Sciences.

This Centre provides a platform for various aspects of research related to plant materials and herbal products through national and international multidisciplinary and collaborative research, opening up opportunities for academic researchers enabling them and the University of Sri Jayewardenepura to play a dynamic and more meaningful role in national development.

Mission

To facilitate ethically, socially and environmentally acceptable research and development programs on plant materials and herbal products to prosper lives of nation.

Objectives

1. To strengthen research to enhance quality of the intellectual property pool through high quality publications, Intellectual properties and technology transfer.
2. To facilitate the move of important findings and innovations from bench to the market to contribute to the economic development of the country.
3. To facilitate collaborations with international research institutes/organizations to take national level research to global standards.
4. To increase the post graduate output efficiency to strengthen post graduate studies on herbal products.
5. To offer consultancy services to public and private sector institutions.
6. To dissemination of knowledge on plant and herbal materials.
7. To facilitate development of cosmaceuticals, nutraceuticals, functional foods and herbal medicines.

The Research Council contd.

Advisory Panel

1. Dr C. Padumadasa (Director)
2. Snr. Prof. Sudantha Liyanage
3. Dr T. D. C. P. Gunasekara
4. Snr. Prof. Sagarika Ekanayaka
5. Prof. Sugandika Suresh
6. Prof. Dinithi Peris
7. Prof. U.G. Chandrika
8. Prof. Pathmalal Manage
9. Emeritus Prof. Ajit Abeysekara
10. Senior Assistant Bursar

Active Collaborations/Collaborators

Research collaborations with Hettigoda Industries (Pvt) Ltd.: A Memorandum of Understanding between University of Sri Jayewardenepura (for the Centre for Plant Materials and Herbal Products Research) was signed on 21st May 2018, to carry out collaborative research on Plant materials, Ayurvedic and Herbal Formulations.

p. Research and Professional Development Centre, Department of Estate Management and Valuation – Faculty of Management Studies and Commerce

Research and Professional Development Centre, Department of Estate Management and Valuation is the latest development of the Department of Estate Management and Valuation (DEMV), Faculty of Management Studies and Commerce, University of Sri Jayewardenepura through which the department links with the industry. This opens a forum for the collaborative research and publications, training and development in the field of Real Estate in line with the national development.

Mission

The EMV- RPDC believes that foundations for real estates are not for physical structures but for the well-being of the whole society. Therefore, the EMV- RPDC works to promote the ideology that the “Real Estate is not an option but fundamental for individuals, firms and nations in achieving socio-economic development”.

Objectives

The EMV- RPDC aims to create a research and life-long-learning culture within the university and the industry. It is expected to achieve this broader aim through specifically identified few objectives as;

1. To open a wider forum for academics, professionals, and other interested parties in the field of real estate management and valuation for the Continuous Professional Development (CPD)
2. To create research and publication culture in the relevant field and to generate and disseminate new knowledge in the field of real estate.
3. To encourage consultations in practical real estate projects and policy formation & implementation of the country.
4. To upgrade human capital through training and development in the field of real estate.
5. To provide community services through sharing knowledge and experience with general public and public organizations.

Advisory Panel

1. Head and professors or two senior academic members of the DEMV of the University of Sri Jayewardenepura.
2. Government Chief Valuer or representative and two senior officers appointed by the Chief Valuer.
3. President of the Institute of Valuers of Sri Lanka or a representative and nominated two senior members of the Institute.
4. Dean of the Faculty of Management Studies and Commerce, University of Sri Jayewardenepura.

Active Collaborations/Collaborators

The following professional bodies such as Government Valuation Department, Institute of Valuers, Sri Lanka, RICS, Sri Lanka, Urban Development Authority, Colombo Municipal Council, Sri Lanka Land Reclamation Board, are the current collaborative partners contributing the annual International Conference on Real Estate Management and Valuation, Sri Lanka Journal of Real Estate and many other joint research activities, cooperating on several publications under the domain of USJ. In addition, any other Reputed property development and valuation firms/institutions (local or foreign) nominated by the department and accepted by the University are also eligible for active participation.

Facilities Available

EMV- RPDC has its own location in the DEMV and consists with academically and professionally qualified membership. It is financially supported by the USJ annual funds and self-financed by training and research.

q. Ecosphere Resilience Research centre – Faculty of Applied Sciences

Climate change results disruptions in food, water, and energy supplies to increases in damage from extreme weather and sea level rise. At the same time, environmental pollution in air, water and soil has become common and driving the environment towards contaminated extreme conditions, may be due to natural or anthropogenic influence makes it hard to survive for most known life forms. Changing in the ecosystems due to natural phenomenon is slow compared to that of the human influences however, impact from both are immense. Therefore, carrying out advance and cutting edge research in the field of environmental resilience, is the most urgent priority at this hour, which will benefit the national development.

Mission

1. To carry out state of the art independent, objective, advance and expert scientific research on the fields of climate resilience for extreme analysis and environment restoration.
2. To promote multidisciplinary and interdisciplinary collaborative research with national and international research centres.
3. To become a critical mass within the University of Sri Jayewardenepura and an advisor in the field of environmental research at the island level.

The Research Council contd.

Objectives

1. To facilitate the use of analytics and modeling in advancing the national leadership in research through highest ethical standards and professional best practices
2. To initiate and encourage opportunities in interdisciplinary research collaborations on climate resilience towards national and international recognition
3. To provide assistance for remediation, mitigation, restoration actions of the extreme environments via monitoring, modeling and application of engineered solutions in a sustainable manner through innovative research

Advisory Panel

Internal - Faculty of Applied Sciences, University of Sri Jayewardenepura, Sri Lanka

1. Dr (Mrs.) Meththika Vithanage(Director)
2. Dr (Mrs.) Anushka Rajapaksha
3. Dr Janitha Walpita
4. Dr Nadeesh Adassooriya

External

5. Prof. Nanthi Bolan – Global Centre for Environmental Remediation (GCER)
6. University of Newcastle, Australia
7. Prof. Yong Sik Ok – Division of Environmental Science and Ecological Engineering
8. Korea University, Republic of Korea
9. Prof. Prosun Bhattacharya KTH – International Groundwater Arsenic Research Group
10. Royal Institute of Technology, Sweden
11. Dr Jayantha Obeysekera, Institute of Water & Environment, Florida International University, USA
12. Prof. C.V.L. Jayasinghe – Dept. of Food Science and Nutrition, Wayamba University of Sri Lanka
13. Prof. Dhammika Magana–Arachchi – Molecular Microbiology & Human Diseases,
14. National Institute of Fundamental Studies, Sri Lanka
15. Dr B.C.L. Athapattu – Dept. of Civil Engineering, The Open University of Sri Lanka

Active Collaborations

1. Prof. Jorg Rinklebe, University of Wuppertal, Germany
2. Prof. Joshua Kearns, North Carolina State University, USA
3. Prof. Amit Bhatnagar, University of Eastern Finland, Finland
4. Dr Binoy Sarkar, University of Sheffield, UK

Facilities Available

Soil and Water quality testing facilities for general parameters, Modeling software for chemodynamics and extreme analysis.

r. Non Communicable Diseases Research Centre(NCDRC) – Faculty of Medical Sciences

South Asia remains the world's most populous, most densely-populated, and fastest urbanising region. The populations in South Asia have also strikingly high rates of non-communicable Diseases (NCDs). Further, the age standardised years of life lost due to NCDs are gradually rising and the onset of cardiovascular disease (CVD) and diabetes among South Asians also tend to manifest 5-10 years earlier than the European counterparts. Additionally, the increase in disability –adjusted life years (DALYs) caused by premature CVD is far worse in South Asia than elsewhere.

Regionally, Sri Lanka has one of the highest proportions of death attributed to NCD. Around 38% of total deaths occur due to NCDs and this accounts for 70% of total disease burden of Sri Lanka. It is also unfortunate that Sri Lanka has the highest percentage of death due to diabetes in South Asia. Research show that 8.1% of total deaths are due to Diabetes Mellitus and 48% of the population have elevated fasting blood glucose. Disease and death caused by metabolic dysfunction in Sri Lanka appears to be disproportionately high compared to all other neighbour countries.

Nonetheless, the demographic, environmental and biological determinants of such excess risk in Sri Lanka are not clearly understood. A bold and transformative step is urgently needed on to a sustainable and resilient path to combat the NCD epidemic in Sri Lanka. The genetic composition, diet, environmental and, spirituality factors which are unique to South Asian is imperative to address epidemic of NCD in Sri Lanka. Since the majority of available investigations are limited importantly by either retrospective or cross-sectional in design and inadequate scale and depth of collected information, or studied involving non-generalizable populations, the NCDRC is established as a well-characterized and large-scale center to address these unmet needs in Sri Lanka.

Mission

Ensure and promote well-being for all at all ages through research and development in Non-Communicable Diseases for evidence informed decision making in Sri Lanka.

Objectives

The Center will aim to:

1. Study potential metabolic, environmental, life style, spiritual and hereditary risk factors for Non-communicable diseases in Sri Lanka
2. Build capacity for research nationally with international support with regards to Non Communicable Diseases
3. Establish evidence informed research for decision making
4. Create awareness among public, academics and policy makers on Non Communicable Diseases on evidence-based research for decision-making.
5. Support the development of a National Non Communicable Diseases related Policies and guidelines with national and international support
6. Provide a platform for all disciplines unrelated to medicine to collaborate in research and form policies related to life styles in reducing NCD
7. Make center of excellence in NCD research in South East Asia accepted by International Research Foundation's

The Research Council contd.

The Governance and Operational Structure:

1. Head of the Department of Community Medicine
2. Professor of Community Medicine
3. A Senior Lecturer from Department of Community Medicine, Faculty of Medical Sciences who will act as the Secretary to the NCDRC.
4. Member from Department of Medicine, Faculty of Medical Sciences
5. Member from Department of Pharmacology, Faculty of Medical Sciences
6. Member from Department of Paediatrics, Faculty of Medical Sciences
7. Member from Department of Surgery, Faculty of Medical Sciences
8. Member from Department of Biochemistry, Faculty of Medical Sciences
9. Member from Department of Sociology/ Anthropology
10. Member from the Department of Geography, Faculty of Humanities & Social Sciences.
11. Member from the Department of Theology, Faculty of Humanities & Social Sciences.
12. Finance and administrative staff member from University of Sri Jayewardenepura

International Collaborators

Department of Public Health and Primary Care, University of Cambridge

s. Centre for Mindfulness-based Research and Practices – Faculty of Medical Sciences

Drawing its root from the Satipattana Sutta, mindfulness is a form of mental training to cultivate a non judgmental awareness of the present. This allows development of a person's innate ability to recognize thoughts and emotions as they arise.

Over the last 40 years, practices of mindfulness have been combined with modern scientific knowledge and developed into a secular training that has been the subject of thousands of scientific trials and the benefits of mindfulness in the fields of health, education, work place and criminal justice system are well established.

Mission

To provide a conducive environment to conduct research on contemplative practices and provide services related to mindfulness based meditations.

Objectives

1. To design and conduct clinical studies on contemplative practices.
2. Establish "Mindfulness Garden" and provide a platform to conduct research and promote mindfulness practices within and outside the university.
3. To propagate mindfulness as a secular practice thereby contribute to the National Mental Health Strategy.
4. To provide learning opportunities on authentic mindfulness practices to the international and community.

Director

Dr. Sanath Mahawithanage

Active Collaborations/Collaborators

Sati Pasala Padanama Sri Lanka.

t. Centre for Advanced Forensic Research – Faculty of Medical Sciences

The presence of an advanced forensic research centre will provide an enabling world-class research and innovation with a state-of-the-art equipment and support facility, create an environment where scientific knowledge and technology could be developed, acquired, and explored in order to cater the progressive modernization of the all sectors of the criminal justice system of Sri Lanka, promote quality of the intellectual property through high quality publications and technology transfer, promote multidisciplinary research and innovation culture, and promote the local forensic research standards to a level that matches the global standards. Further, this centre will increase the postgraduate output, minimize the barriers to research output, promote Sri Lanka to a global destination in research and innovations, establish research collaborations with the local and international research facilities and increase the potential to attract new funding sources to promote research.

Further, the Board of Study in Forensic Medicine, Postgraduate Institute of Medicine, Colombo has already introduced and offered “Special Interest” training programmes in Forensic Pathology, Forensic Toxicology, Forensic Clinicals, Forensic Histopathology, Forensic Radiology, Forensic Paediatrics and Forensic Anthropology, and this centre will pave the way for developing such professional experts and can contribute to conduct medico-legal investigations efficiently and thereby reduce the crime rate of Sri Lanka.

Mission

To focus on advanced technologies in order to uniquely value-add to our science and technology output as well as enabling our graduates to be equally competent and competitive with the other graduates emerging from world-class universities and research backgrounds.

Objectives

1. Infuse the research culture strongly into academics at a time when innovation and research culture is poorly established in Sri Lankan academic portfolio due to poor infra-structure facilities.
2. Promote multidisciplinary research and innovation culture.
3. Promote the local forensic research standards to a level that matches the global standards.
4. Promote quality of intellectual property through high-quality publications and technology transfer.
5. Promote Sri Lanka to a global destination in research and innovations.
6. Provide an enabling world-class research and innovation with state-of-the-art equipment and support facility.
7. Create an environment where scientific knowledge and technology could be developed, acquired, and explored in order to cater the progressive modernization of all sectors of the criminal justice system of Sri Lanka.
8. Increase the postgraduate output efficiency.
9. Increase the potential to attract new funding sources to promote research.
10. Minimize the barriers to research output.
11. Establish research collaborations with the local and international research facilities.

The Research Council contd.

Advisory Panel

1. Prof. M. Vidanapathirana (Director)
2. Prof. R Fernando
3. Dr. S.R. Hulathduwa
4. Dr. I.S. Gunasekara
5. Dr. Dammika Ariyaratne
6. Dr. R.T. Nanayakkara

u. Centre for Marine Science and Technology (CMST) – Faculty of Applied Sciences

Lack of a dedicated institute in Sri Lanka for Marine Science research and postgraduate studies is a major issue that has been discussed in many scientific forums for decades but never been materialized. The need of such a Centre is an urgent need of the country. Marine research is not given priority and facilities for marine research and exploration are in a rudimentary stage and there is no national institution fully fledged for marine research. Therefore, an independent research centre that can extensively collaborate with other national and international institutes, is a national requirement. The ultimate goal is to establish a facility that will be in the forefront in multidisciplinary marine science research.

The CMST has plans to identify major challenges related to sustainable ocean use. These include maintaining food security, protecting biodiversity and ecosystem health, biosecurity from non-indigenous species, ensuring coastal development, renewable energy, adapting to climate variability, and working on prioritized research areas, with a vision to drive global knowledge of the Indian Ocean and make significant advancements in marine research in the Island.

The centre will bring together marine scientists across a variety of disciplines who will collaborate to increase the knowledge in improving ecosystem resilience and restoration; environmental assessment and monitoring; commercial and recreational fishing, responsible and eco-tourism, indigenous engagement in climate change, sustainable use of marine resources. Collaboration is very essential in marine science since the field cost are extremely high. Sharing of knowledge is also limited as scientists tend to work in isolation hindering the quality of marine research.

The CMST will integrate R&D in tropical marine science and promote active engagement of cooperate and private sector industry in the drive towards environmental and marine sustainability. To develop nationally relevant R&D and to build capabilities that would address the strategic needs of the country in the future. The centre will commit to develop interdisciplinary approach in marine science coupled with state-of-the-art marine technology and future directed marine education programs. Further, develop marine science research by training students, research scientists, resource managers, coastal engineers and other stakeholders. There will also be internships and collaborative partnerships with industry for technology development and applications.

Mission

To promote marine science research, strengthen facilities, enhancing research support to postgraduates and scientists and educate public on sustainable utilization of the ocean resources.

Objectives of the Centre

1. Conduct multidisciplinary research and develop technologies to support sustainable exploitation and management of coastal and marine living and non-living resources.
2. Provide postgraduate qualifications in marine sciences
3. Identify research priorities in the marine sector through collaboration and working closely with relevant agencies and projects aligned with national strategies and support maintain a marine environmental baseline database.
4. Conducting awareness, education and training programs related to marine affairs
5. Develop research partnerships and MoUs.
6. Advisory and consultancy service in marine affairs
7. Develop strategies for quick transfer of novel technologies and new knowledge among national institutes and interested parties.
8. In long-term, establishment of field research station, aquarium complex and marine theme park for research and education purposes.

Advisory Panel

1. R R M K P Ranatunga (PhD), Senior Lecturer, Department of Zoology, Faculty of Applied Sciences
2. M.M. Pathmalal (PhD) Senior Professor, Department of Zoology, Faculty of Applied Sciences
3. N.G.S. Shantha, (PhD), Senior Lecturer, Department of Physics, Faculty of Applied Sciences
4. D.C.T. Dissanayake, (PhD), Senior Lecturer, Department of Zoology, Faculty of Applied Sciences
5. K V K Gunathilake, (PhD), Senior Lecturer, Department of Zoology, Faculty of Applied Sciences
6. W. L. I. Wijesekara, (PhD), Senior Lecturer, Department of Food Science and Technology, Faculty of Applied Sciences
7. M D R Perera, (MPhil), Senior Lecturer, Department of Computer Science, Faculty of Applied Sciences

The Research Council contd.

Active Collaborations/Collaborators

National Collaborations

1. National Aquatic Resources Research and Development Agency (NARA)
2. Marine Environmental Protection Authority (MEPA)
3. Petroleum Resources Development Authority (PRDS)
4. Department of Coast Conservation and Coastal Resources Management (CC&CRM)
5. International Water Management Institute (IWMI)

International Collaborations

1. College of Marine Sciences, National Sun Yat-Sen University, Taiwan – Collaborative research in Climate change impacts, Nutrient and Carbon dynamics in coastal ecosystems, smart aquaculture and marine conservation biology
2. Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia - Global Plastic Survey
3. Korea Maritime Institute (KMI), MoU for research collaboration Capacity building to manage marine debris in Sri Lanka
4. National Institute of Oceanography (NIO), India – Marine bioinvasions through biofouling and ballast water.
5. Research Centre for Prediction of Earthquakes & Volcanic Eruptions, Tohoku University, Japan
6. Un Fisheries Training Program - United Nations University, Iceland
7. University of Notre Dame, USA.
8. Department of Earth, Environment and Life (DISTAV) University of Genova, Italy
9. Universite Bretagne-Sud, France.
10. Marine Bio-process Research Centre, Pukyong National University, Republic of Korea.

Facilities Available

Multi parameter marine water quality meter, stereo microscope, diving equipment – (VCD, Snorkel and mask, regulators, gas cylinders, dive computers and other safety instruments etc) Otolith polishing machine, Ruttner water sampler, Petersons grab sampler, trawl net, Sonar depth gage and fish finder, marine GPS with blue chart

4 FACULTY RESEARCH COMMITTEES

4.1. COMPOSITION

Each Faculty shall have a Faculty Research Committee that consists of a chairperson and its members.

The chairperson of the committee should be the Dean or his/her nominee - a responsible senior academic, and the chairperson of each Faculty Research Committee shall be an ex-officio representative of the respective Faculty to the Research Council. The Faculty Research Committee should meet every 1st Thursday of each month and send correspondence to the Research Council.

4.2. FUNCTIONAL RESPONSIBILITIES

The Faculty Research Committee shall have following functional responsibilities.

- a. Conduct workshops, research forums seminars and other training programmes to establish a research culture in the Faculty
- b. Introduce mentoring and coaching programmes that links between senior and junior researchers/academics.
- c. Conduct yearly Scientific Sessions of the Faculty.
- d. Review and evaluate all the project proposals submitted for University Research Grants according to the instructions given by the Research Council and submit final approved research proposals and a prioritized list of University Research Grant Applications to the Research Council.
- e. Monitor the progress of the University Research Grants.
- f. Direct all the correspondence regarding, University Research Grants with recommendations, publications, patents, etc. to the Research Council via the Dean of the Faculty.
- g. The Faculty representative at the research council should communicate all the important decisions taken at the Research Council to the researchers of respective Faculties.
- h. The Research Committee should maintain a database on research conducted by the Faculty members, equipment, and facilities available for research.
- i. Provide research related legal and ethical advice.
- j. Establish and maintain an up to date webpage dedicated for Faculty research.
- k. Organize the Student Research Day of the Faculty in collaboration with the Research Council.

PART TWO

THE GRANTS

1. INTRODUCTION

With a view of encouraging the academics to engage in high quality research, the University Grants are awarded in a competitive basis for academics in permanent cadre (Senior Lecturer Grade II or above) and permanent administrative staff members. These grants are awarded under three categories: University Research Grants (URG), Overseas Travel Grants (OTG), Grants for Journal Publications and Language Editing fee.

2. UNIVERSITY RESEARCH GRANTS

2.1 INTRODUCTION

The research grants are internally advertised at six months intervals subject to availability of funds. Prioritized areas of national significance will be notified when research grants are advertised, and percentages of allocation for each area will be decided by the Research Council. The University declares a "closing date" for grants and the duly completed applications (refer University Research Grant Application Form) have to be handed over to the Research Council on or before the declared closing date. Soft copies of the application and the project proposal should be e-mailed to the Research Council (e-mail: researchcouncil@sjp.ac.lk). Incomplete applications shall be rejected. The Research Council shall then forward the research grant applications received, to the respective Faculty Research Committees for further processing.

The URL of the Google Profile and the updated CV should appear in the profiles of the principal investigator and co-investigators (of USJ) in University's web site by the time the application is submitted.

If the above conditions are not met, the research grant application will not be accepted.

The Grants contd.

2.2. APPLICATION FORM

RESEARCH GRANTS - 2019 UNIVERSITY OF SRI JAYEWARDENEPURA

PART A - Checklist

Checklist of the documents to be submitted the Research Council

Document	Please Tick (√)	Checked (for Office Use only)
1. Hardcopy of the Research Grant Application Form (duly completed)		
2. Softcopy of the Research Grant Application Form (duly filled) – should be e-mailed to researchcouncil@sjp.ac.lk or written to a CD and submitted		
3. Three (3) copies of the detailed project proposal		
4. Ethical approval letter (if available)		
5. Full CVs of the Principal and Co-investigators (Please note that your updated CV should also appear in the University's website together with URL of the Google Scholar Profile.)		
6. Evidence of progress for completed and ongoing University Research Grants for the principal investigator obtained from the Research Council		
7. Evidence for publications (abstracts, journal publications, publications in peer reviewed journals, full papers in conference proceedings, letters of submission/ completion of PhD/MPhils completed) emailed to researchcouncil@sjp.ac.lk or written to a CD and submitted		

PART B - Research Grant Application

Details of the Investigators

1. Details of Principal Investigator:

- Name: Rev./ Snr. Prof./Prof./ Dr/ Mr./ Ms.:
- a. Designation:
- b. Department:
- c. Faculty:
- d. Telephone:
- i. Mobile:
- ii. Official:
- iii. Home:
- e. University E-mail address :
- f. Verified Google Profile Name and the Google Profile URL1:
-

2. Details of the Co-Investigators:

Co-Investigator I

- Name: Rev./ Snr. Prof./Prof./ Dr/ Mr./ Ms.:
- a. Designation:
- b. Department:
- c. Faculty:
- d. Telephone:
- i. Mobile:
- ii. Official:
- iii. Home:
- e. University E-mail address¹ :
- f. Verified Google Profile Name and the Google Profile URL2:
-

Co-Investigator II

- Name: Rev./ Snr. Prof./Prof./ Dr/ Mr./ Ms.:
- a. Designation:
- b. Department:
- c. Faculty:
- d. Telephone:
- i. Mobile:
- ii. Official:
- iii. Home:
- e. University E-mail address :
- f. Verified Google Profile Name and the Google Profile URL2:
-

- Annex CVs' and list of publications of all investigators during the last 10 years.

3. Details of the Grants received by the Principal Investigator

- a. Details of the University Research Grants received over the last 5 years: Please attach the report obtained from the Research Council, certified by the Co-Chairperson, Research Council.

1. Please note that Principal Investigators who are **not** having a University of Sri Jayawardenepura e-mail address and a Google Scholar profile (which is affiliated with the University) will **not** qualify for applying for research grants. All correspondence and publications pertaining to the university grant should contain the university e-mail address.

The Grants contd.

b. Details of the other Research Grants received over the last 5 Years

	Title	Funding agency	Amount	Period
1				
2				
3				
4				

PART C - Details of the Project

1. Title of the proposed research:
2. Duration of the Research:(in years)
3. Attach 3 copies of the detailed research proposal compiled under following headings: (Font: Times New Roman, 12pt, 1.5 spacing)
 - a. Title
 - b. Introduction
 - c. Rationale and justification of the research problem
 - d. Research problem and research questions
 - e. General and specific objectives
 - f. Significance of the research
 - g. Literature review (a comprehensive literature review)
 - h. Methodology : Research Approach/ Conceptual Diagram (when applicable)/ Operationalization (when applicable)/ Hypotheses (when applicable)/ Study settings/ Population/ Sample/ Sampling method/ Methods of data collection/ Data analysis
 - i. Ethical considerations
 - j. Dissemination of knowledge and proposed outcome
 - k. Timeline of the research (by way of a Gantt chart)
 - l. References – Complete list of references should be submitted according to Harvard Style. Include the latest references.
 - m. Detailed budget

3. Ethical Considerations

Relevance to the Research	Relevant / Not Relevant
If relevant, Ethical clearance obtained?	Yes / No If 'yes' attach a copy of the letter or certificate
If No, applied for Ethical clearance?	Yes/No

4. Is the proposed research intended for a postgraduate degree (Ph.D/ M.Phil/ MA/ M.Sc.)? If registered, give the relevant details of registration.

.....

5. Summary of the budget:

Total Amount of Grant Applied for: Rs. :-	
Total amount of 1 st year budget	Rs.
Total amount of 2 nd year budget	Rs.
Total amount of 3 rd year budget	Rs.

PART D - Implementation of Research Project

Details of the Investigators

1. Work plan and estimated expenditure:

(If project period is 12 months or less, complete section (a) only. If project period is more than 12 months, complete (b) only.)

Section (a)		
Period	Activities/details of research plan to be done	Expenditure (Rs.)
1 st three months		
2 nd three months		
3 rd three months		
4 th three months		
Total		

Section (b)		
Period	Activities/details of research plan to be done	Expenditure (Rs.)
1 st six months		
2 nd six months		
3 rd six months		
4 th six months		
5 th six months		
6 th six months		
Total		

The Grants contd.

2. Work Plan: Please attach the quarterly Gantt chart to cover the proposed study, as per the format below.

Activities	Year 1				Year 2				Year 3			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Activity 1												
Activity 2												
Activity 3												
Activity 4												

Define the Activities

3. Do you expect to employ research assistants? If so, in what areas of the activities and at what stage do you hope to employ them?

No.	Activity	Stage	No. of Assistants	Duration
1				
2				

PART E - Estimated Budget of the Proposed Research Project

Total amount applied for the proposed research project Rs.
Indicate the estimated budget under the following items:

1. Allowances, Travelling, Subsistence & Expenses				
No.	Description	Unit rate per month / per person/ per Kilometer	No. of months/ persons/ no. of Kilometers	Sub-total
1	Allowances and Registration fee for Research Assistants			
1.1	Allowance for Research Assistant/s*	Rs. 40,000/ Rs. 50,000 per person		
1.2	Registration fee for postgraduate degree programmes of Research Assistant/s**			
2	Travelling Expenses*** (based on approximate distance)	Rs. 40 per Kilometer		
3	Subsistence payments***			
3.1	Principal Investigator			
3.2	Co-investigator			
3.3	Research Assistants			
	Sub-total of Allowances, subsistence & travelling expenses			

* Allowances for Research Assistants: Those who possess a degree at Level 6 of the Sri Lanka Qualification Framework (SLQF) are entitled to receive Rs. 50,000/- per month, while those who possess a degree at Level 5 are entitled to receive Rs. 40,000/- per month.
 ** The registration fee will be reimbursed only after the successful completion of the postgraduate degree. Please refer Vidyodaya Vision for further terms and conditions pertaining to the granting and reimbursement of the registration fee of research assistants.
 *** Travelling & Subsistence – According to U.G.C. Guidelines
 Subsistence maximum - Rs. 500/- per day
 Travelling - Rs. 40/= per kilometer
 Note: Please refer to Vidyodaya Vision for further guidelines on the utilization of funds of research grants.

Chemicals and Equipment*				
	Item	1 st Year	2 nd Year	3 rd Year
1				
2				
3				
4				
5				
	Sub-total for chemicals & equipment			
* A complete description of equipment required and a full justification must be given				
Other Expenses				
	Item	1 st Year	2 nd Year	3 rd Year
1	Stationeries			
2	Photocopying/ roneo work			
3	Other materials			
4	Proof reading			
5	Any other activity (Specify)			
6	Miscellaneous			
	Sub-total for other expenses			

Total Budget*	
1	Sub-total of allowances, subsistence & travelling expenses
2	Sub-total for chemicals & equipment
3	Sub-total for other expenses
	Total cost

* Details of 1, 2 and 3 above should be given in separate sheets with cost component of each item with justification where relevant

The Grants contd.

I certify that the information and data furnished by me in this research grant application are true and accurate to the best of my knowledge. In the event of my being granted the amount requested to undertake and carry out the research described in this application, I shall enter into an agreement with the University to that effect.

Date :
.....
Signature of Principal Investigator

Observations of the Head of the Department:

.....
.....
.....

Date :
.....
Signature of the Head of the Department

Observations and the recommendation of the Faculty Research Committee:

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Date :
.....
Signature of the Chairperson of the Faculty Research Committee

Observations and the recommendation of the Dean of the Faculty

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.....
.....

Date :
.....
Dean/ Faculty of

Decision of the Research Council of the University of Sri Jaywardenepura

.....
.....
.....

Date :
.....
Vice Chancellor
Chairperson Research Council

2.3 REVIEW PROCESS

The Research Committees of the respective Faculties are responsible to review and evaluate the forwarded research proposals. The Faculty Research Committees shall thoroughly evaluate the research grant proposals by sending such to two reviewers who are experts in the relevant field. The evaluation criteria will include the scientific merit of the study, the relevance of the study to national development, its contribution to strengthening the capacity of science and technology in the country, and the possibility of research findings being published in indexed journals (refer Project Evaluation Form). In instances where a decision cannot be made according to comments of the two reviewers (for an example: One reviewer has rejected, other reviewer has accepted with minor modifications), it is advised to send the proposal to a third reviewer.

The evaluated project proposals should be revised according to the reviewers' comments. The principal investigator is responsible to address all reviewer comments (accept and revise or if a comment is not acceptable to the investigator she/he should provide a strong justification) and re-submit the revised proposal to the Faculty Research Committee within one week of receiving the reviewers' comments. The revised proposals that are not re-submitted within this period will be rejected. Such applications may be considered at the next round of research grants. Further, the Faculty Research Committees should necessarily evaluate the proposals for appropriateness of budget, and ethical considerations (if applicable). The Faculty Research Committee should ensure that they submit the final research proposal (copies) with the final research grant application (copies) along with the recommendation of the Faculty Research Committee to the Research Council within two months of the initial submission. The Faculty Research Committees shall forward the list of reviewers who reviewed the project proposals under confidential cover to the Research Council to arrange payments for those reviewers.

The research proposals that do not meet the above evaluation criteria shall be rejected by the respective Faculty Research Committees. However, the list of such proposals should be sent to the Research Council with justification for information purposes. A prioritized list of accepted high quality research proposals should be recommended and submitted by the Faculty Research Committees through the Dean of the Faculty to the Research Council for the approval of research grants.

Funds are considered for equipment¹ (excluding computers, computer accessories, furniture, etc.), consumables, travelling pertaining to the research data collection (excluding overseas travel) and research assistant payments. Funds will not be provided for conference registration fee and publication/language editing fee.

Student registration fee should be included in the original budget. Please note that registration fee will only be reimbursed following successful completion of the post-graduate degree.

The grant will be awarded to the Principal Researcher and he/she will be solely accountable for initiating and carrying out the research project.

1. When requesting funds to procure new equipment/s, the investigators are strongly advised to search the equipment database of the Research Council website as funds will not be provided to procure equipment that are already available in the University. In case, you are in need of procuring already available equipment, you are requested to provide a strong justification. Contact the Research Council for any clarifications.

The Grants contd.

Project Evaluation Form

CONFIDENTIAL: EVALUATION OF UNIVERSITY RESEARCH GRANTS- 2019

Date submitted for evaluation: Date returned after evaluation:

Name of evaluator:

Project title:

Please tick relevant cage. Any specific comments to the applicant and/or suggestion for modification can be made in the relevant spaces given under each section.

1. Rationale for doing the research and analysis of the problems (background and justification):

Good	
Need improvement	

Comments (if any):
.....
.....

2. Relevance of objectives and/or hypothesis/ses to be tested:

Relevant and clear	
Not relevant	

Comments (if any):
.....
.....

3. Literature review

Recent national literature is reviewed	
Recent international literature is reviewed	
Literature cited is relevant to the study	
Literature review is adequate	
Not acceptable	

Comments (if any):
.....
.....

4. Research design:

Acceptable	
Need modification	
Need Revisions	

*(*If modification is proposed please give reasons and your proposed revisions)*

Comments (if any):

.....

.....

5. Suggested analysis/ses (including statistical analyses):

Adequate	
Inadequate	
Not suitable	

(If inadequate / not suitable please give reasons and proposed revisions)

Comments (if any):

.....

.....

6. Relevance of study-setting and methodologies for experimentation/ collection of data:

I. Study-setting:

Suitable	
Not suitable	

(If not suitable please give reasons and suggest suitable locations)

Comments (if any):

.....

.....

II. Methodology:

Adequate	
Inadequate	
Need modification	

(If inadequate or need modification please give reasons to time and suggest revisions)

Comments (if any):

.....

.....

The Grants contd.

7. Feasibility of the proposal in relation to time and resources requested:

Feasible within given time period	
Require more time	
Can be done within a shorter time period	
Resources are adequate	
Resources are inadequate	

(If inadequate please give reasons and suggest additional resources)

Comments (if any):

.....

.....

.....

8. Ethical consideration:

Ethically acceptable	
Ethical clearance obtained	
Application submitted for ethical clearance	
Ethically not acceptable	

Comments (if any):

.....

.....

.....

9. Considerations to environmental safety

Environmentally safe	
Environmentally not safe	
Need modification/s	
Not applicable	

Comments (if any):

.....

.....

.....

10. Relevance / Justification of requested budget items: (Very Important)

I. Personnel

Adequate	
Inadequate	
Need further justification	

Comments (if any):

.....

.....

.....

II. Equipment

Adequate	
Inadequate	
Need further justification	
Overestimated	

Comments (if any):

.....

.....

.....

III. Consumables

Adequate	
Inadequate	
Need further justification	
Overestimated	

Comments (if any):

.....

.....

.....

IV. Travel/ Subsistence

Adequate	
Inadequate	
Need further justification	
Overestimated	

Comments (if any):

.....

.....

.....

The Grants contd.

V. Miscellaneous (maximum allowed is 2% of the total budget)

Adequate	
Inadequate	
Need further justification	
Overestimated	

Comments (if any):

.....

.....

.....

11. Additional comments, suggestions and responses

Kindly include the item number to which you provide a comment/suggestion or response.

Kindly evaluate the project according to the following marking scheme.

Factor	Maximum Limit of Points	Total
1. Scientific merit of the study	50	
2. The relevance of the study to national development	50	
3. Its contribution to strengthening the capacity of science and technology in the country	50	
4. Potential of the research findings to foster research & development relations between the University and the relevant Industry	50	
5. Possibility of research findings being published in international journals	50	
Total Score		

12. Recommendation:

	Proposal RECOMMENDED for support
	Proposal RECOMMENDED subject to minor modifications as stated
	Proposal RECOMMENDED resubmission with major modifications
	Proposal NOT RECOMMENDED for support.

Please provide justification if the project is not recommended for support.

For the Faculty Research Committee Use only

Applicants knowledge, training and research experience:

Adequate	
Inadequate	

Evaluation of the Project

	Marks/Comment
Scientific Merit*	
Ethical considerations**	
Budget***	

*Scientific Merit - Average of total marks given by the 2 reviewers as a percentage

**Needs ethics committee approval / Does not need ethics committee approval /Ethics approval is already granted

***Budget is justifiable/ Need revision/ Revised budget approved / Cannot be approved

2.4. PRIORITIZING RESEARCH GRANTS

It is the responsibility of the Faculty Research Committee to prioritize the research projects. Prioritization may be done according to the scientific merit of the study, evaluated by 2 independent reviewers.

2.5. TERMS AND CONDITIONS

Correspondence and progress reports regarding the Grant may not go through the Head of the Department unless in matters where Head of the Department should be aware of. All such correspondence should be forwarded through the Faculty Research Committee and the Dean. Final Report should be submitted through Head of the Department of the Principal Investigator, Faculty Research Committee and the Dean of the Respective Faculty to the Research Council.

SECTION A – Commencement of Research Activities

- The date of the commencement of the research activity should be informed through Faculty Research Committee and the Dean to the Research Council. Funds will not be released until the date of commencement is reported to the RC.

The Grants contd.

SECTION B – Utilization of the Funds

- Your approved budget is as follows

Budget Summary		
	Budget Item	Amount (LKR)
1	Sub Total of allowances, subsistence & travelling expenses	
2	Sub Total for chemicals & equipment	
3	Sub Total for other expenses	
	Total Expenditure	

- No transfer should be made within the grant from one category to another and no purchase should be made other than what is stated in the project proposal under each category, without the prior permission of the RC-USJ.
- In unlikely circumstances where the investigator requests a fund transfer from one category to another, the request letter should provide a strong justification for the fund transfer. Further a revised budget should be submitted to be approved by the RC.
- Under the research grant policy of the University, the PI is entitled to obtain a sum of Rs.100,000.00 as an advance payment from the approved research grant. When obtaining this advance payment, two copies of duly completed vouchers should be sent to the Vice-Chancellor through the Bursar of the University. It is a pre-requisite to complete the requirements of the first advance payment before requesting the second advance payment. Advance payments should not be utilized to make the payments for the research assistants. Further advanced payments should not be utilized to procure equipment.
- The principal investigator is responsible to ensure that the advance payments are properly utilized for the said research.
- In an instance where the applicant needs to obtain funds beyond the stipulated limits he/she should submit relevant documents for the consideration and approval of the Research Council.
- Research Assistants should be paid in accordance with the following rates:
 - Those who possess a degree at Level 6 of the Sri Lanka Qualification Framework (SLQF) are entitled to receive Rs. 50,000/- per month while those who possess a degree at Level 5 are entitled to receive Rs. 40,000/- per month.
- The principal investigator is responsible to maintain the attendance registers of the Research Assistants. A copy of the attendance registers for the respective month should be attached to payment vouchers.

The Registration fee will be reimbursed when evidence of completion of the respective postgraduate degree is submitted. The Research Council will consider reimbursing the student registration fee, when the post-graduate study (MPhil/PhD) is done using the respective university research grant and registered in the Faculty of Graduate Studies of the USJ, upon successful completion of the postgraduate degree. Such registration fee should be included in the original budget.

The qualifications and other particulars of the prospective research assistants should be approved by the Dean of the respective Faculty and forwarded to the Vice-Chancellor and the Research Council for acknowledgement. Monthly payment vouchers of the research assistants approved by the Principal Investigator (submitted with a certified copy of the attendance of the said Research Assistant) should be submitted to the Faculty Bursar through the Head of the Department and the Dean of the respective Faculty. The payment vouchers should be submitted on the last day of the

month and that will be processed within 3 working dates. The payments will be given on 5th working day of every month.

- Please be informed that all the payments in relation to the research grant are made under the financial regulations of the University and are subjected to auditing.
- Conditions laid down here may subject to change and it is the responsibility of the principal investigator to adhere to the prevailing rules and regulations which will be updated in the Research Council web-site of the University.
- Direct purchasing of chemicals and consumables worth Rs. 100,000/= or less could be purchased directly from the University Registered Suppliers with prior approval of the Vice Chancellor. In such circumstances, a strong justification is needed.

SECTION C – Progress Review

- A technical progress report (Progress Report Form) inclusive of an interim financial report (Interim Financial Report) should be submitted through the Faculty Research Committee and Dean to the Research Council by 15th of June and 15th of December of the year irrespective of the date of the commencement of the project.
- Reporting periods should be from Dec 16th –June 15th and June 16th –December 15th.
- Research grant advance payments will be stopped when the relevant progress reports are not received by the RC on its July and January meetings respectively.
- All publications and conference proceedings pertaining to the grant during the reporting period have to be informed along with the progress report.
- All publications should have the university email address as the corresponding authors email address. The University Grant number and the University of Sri Jayewardenepura should be acknowledged as the funding agency. University of Sri Jayewardenepura (with correct spelling) should appear as the corresponding author's institutional affiliation.
- All conference proceedings should at least have the University of Sri Jayewardenepura (with correct spelling) as author's institutional affiliation.

SECTION D – Final Research Report and Completion of the Grant

- It is mandatory that you have to complete your research on stipulated time period. If you are unable to complete your research due to an unavoidable reason, a letter of justification including the progress so far should be submitted to the Research Council for consideration through the Head of the Department/the Faculty Research Committee and the Dean of the Faculty along with a request of extension.
- Final research report inclusive of the financial report should be submitted to the Research Council in 02 copies through the Head of the Department/ the Faculty Research Committee and the Dean of the Faculty to the Research Council within two months of the completion of the research.
- Final Research Report will be evaluated by an external reviewer.
- In instances where the university grant has produced a research degree (MPhil/PhD) the final report submitted by the principal investigator will not be evaluated by an external reviewer. In such circumstances the principal investigator should submit evidence of the postgraduate degree funded by the grant.
- The principal investigator should submit evidence of scientific publications/communications according to the conditions given below.

The Grants contd.

Value of the University Research Grant Awarded	Condition
Above 2.5 million Rupees	Minimum of 1 Indexed Journal Publication * (Full paper) and/or 1 Patent**
1.5 million Rupees – 2.5 Million Rupees	Minimum of 1 any indexed*** Journal Publication (Full Paper) or 2 Publications (Full Paper) in Peer Reviewed Journals
Less than 1.5 Million Rupees	Minimum of 1 Publication (Full Paper) in Peer Reviewed Journal or 2 Conference Proceedings

* Indexed Journal Publication: Recognized Index journals are listed at <http://www.isinet.com/journals> under:

1. Science Citation Indexed Expanded (™) (Web of Science)
2. Social Sciences Citation Index® (Web of Science)
3. Arts and humanities citation index® (Web of Science), etc.
and
4. Elsevier SCOPUS
5. Emerald Insight
6. Cabell's International

** All patents obtained through projects funded by the Research Grants of the University should be registered as a property of University of Sri Jayewardenepura and the Principal Investigator

*** Any indexed Journal Publication: Any indexed Journal not included in above. Evidence of the indexing service needs to be submitted.

The above conditions will be applied to the grants given for PhD upgrading if the total university grant value falls within the given criteria.

The evidence of above has to be submitted within 2 years of completion of the project. The principal investigators who are unable to fulfill the above criteria will be penalized when applying for future university grants.

Please refer to the "Guidelines for Utilization of University Research Grants" for further instructions on utilizing funds of the University Research Grants.

It is required to sign a bond in order to obtain the research grant. You are not entitled to receive any remuneration in relation to this until the bond is duly signed. Further please be informed that in an instance you fail to submit the final report of the research in accordance with the above rules and regulations, actions will be taken under the statement 06 of the bond.

Guidelines for Utilization of University Research Grants

University of Sri Jayewardenepura

With effect from University Research Grants 2019

01. Research Assistant (RA)

- A Research assistant can be paid a maximum of Rs. 50,000.00 per month provided he/she owns a degree at Level 6 and or above of the Sri Lanka Qualification Framework (SLQF) (Honours /PG Degree). RA with a degree at Level 5 of the Sri Lanka Qualification Framework (SLQF) (General Degree) can be paid a maximum of Rs. 40,000.00 per month.

To appoint a RA, the Principal Investigator (PI)/Director of the Research Centre) should submit a CV of the applicant with a formal request to the Dean of the Faculty with recommendation. The Dean of the Faculty will issue a formal letter of appointment. Copy of the letter of appointment should be sent to Research Council for information.

- RA is a fulltime job where she/he has to report to the university on normal working days. An attendance register will be maintained by Principal Investigator and RA has to sign in and out on daily basis. In case RA fails to report to university as he/she is involved in field work, the PI must submit a written document in support of her/his days spent in the field to the SAR/ AR. Failure to submit a report may result in delays in the payment of the RA's monthly salary.
- The RA is eligible to apply for travelling at the rate of Rs. 2.00 /km or bus fare. (Minimum Rs.12.00)
- Only one RA can be recruited per research project.

The TOR of Research Assistant is as follows

- Assist PI in literature review , questionnaire preparation and pre-testing, field work, conduct interviews and coordinate enumerators, conduct laboratory experiments and field experiment etc.
- Data coding, data entering, data editing and data analysis
- Typesetting and any other work given by the PI related to the research.

02. Payments for interviewees

No payment could be made to an interviewee for his/her participation. However, if necessary, participants can be provided with refreshments, the cost of which may be included in the budget with justifications.

Request for payments to interviewees may be considered in special cases with the provision of compelling justification by PI.

The Grants contd.

03. Payment for enumerators

If any payment should be made to enumerators* the following rates should be considered. If the enumerator is the RA employed by the grant he/ she will not be paid under this category.

- Payments for filling in the questioners;

Category	Pages (A4)	Payment per questionnaire (Rs)
A	1 – 2	100
B	3 – 4	200
C	above 4	250

- Travelling

An enumerator is eligible to apply for travelling allowance at the rate of Rs.2.00 per km (Minimum Rs. 12.00). However, enumerators are not eligible to claim any other allowance for accommodation, subsistence and meals.

04. Payments for Field Assistants/Technical Assistants (FA/TA)

- Field Assistant/Technical Assistant can be paid up to Rs. 1000.00 per day for assisting in field related work.
- Travelling

FA/TA is eligible to apply for travelling allowance at the rate of Rs.2.00 per km (Minimum Rs. 12.00).

However, field assistants and technical assistants are not eligible to claim for any other allowance for accommodation, subsistence and meals.

05. Payments for PI, Co-Researcher and RA

PI, Co Researcher (CR) or RA may apply for an allowance for accommodation as follows;

- For an overnight stay, maximum up to 3 nights per month;
 - ◆ PI /CR – Rs. 3000 per night including meals
 - ◆ RA – Rs. 2000 per night including meals
- If the field visit is limited to one day PI/CR/RA is eligible to apply for subsistence allowance of Rs. 500.

06. Travelling

Travelling can be claimed by the PI or CR as follows; Rs. 50 per km (one visit per month). This will be paid only for university registered companies. Otherwise prior approval has to be taken.

If any extra field visit is needed provide a strong justification.

07. Proof Reading/ Editing

If the assistance of an expert is needed in proof reading/ editing the final manuscript payments can be made as follows,

- 1.) MPhil – Rs 10000 PhD –Rs 15000
- 2.) A4 size/font size 12/ 1.5 space

No payments will be done for typesetting.

08. Miscellaneous

The allocation for miscellaneous should not exceed 2% of the total budget.

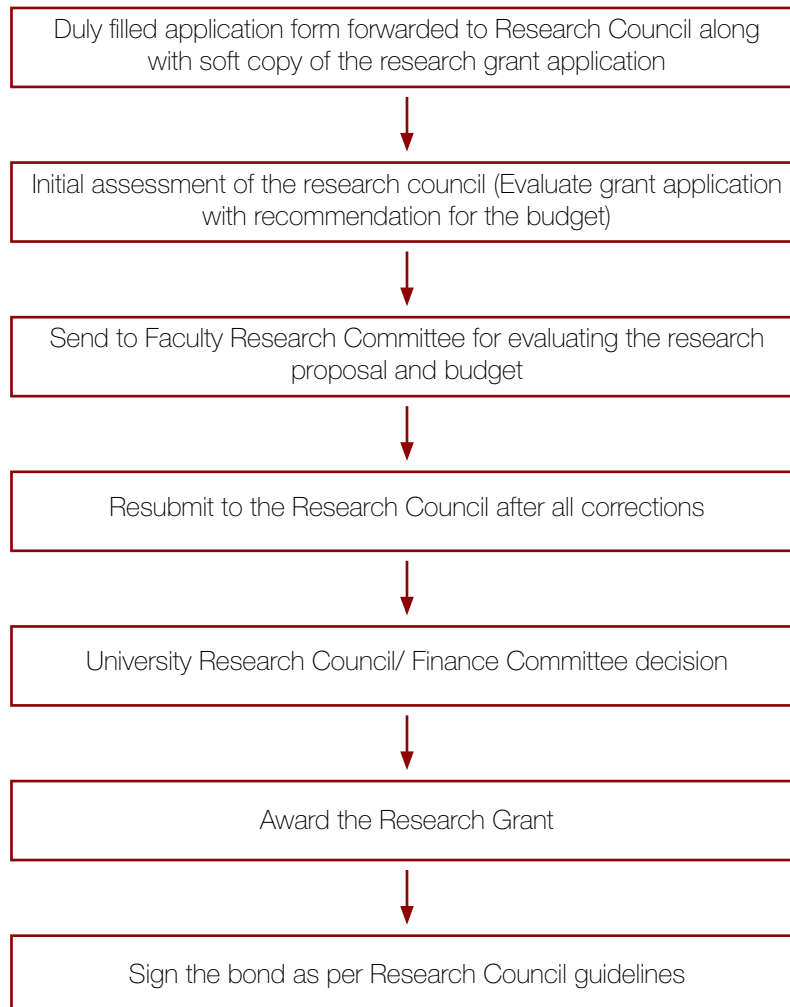
* All payments will be made to the relevant individuals using cheques written to her/his name.

- This is not to be used for budgeted items.
- All payments will be made for the bills provided.
- Laptops cannot be purchased from the research budget.
- Journal publication fee, conference registration fee and travel grants cannot be claimed from the research grant.
- Office furniture cannot be purchased from the research grant.
- Strictly follow the government procurement guidelines when purchasing equipment.

Note :- Refer the government financial regulation

The Grants contd.

09. Research Grant Approval Procedure



Format of the Progress Report

PROGRESS REPORT

Progress Report-Number:
Grant Number:
Period Covered: From To

PART A

General information

1. Title of the project:
2. Executive summary of the project:
3. Principal investigator: (Rev./Prof./Dr/Mr./Ms.):
4. Co-investigators:
5. Date of award:
6. Date of commencement of the project :
7. Faculty and the Department where research is being carried out:
8. Number of research students/assistants employed
(*indicate where the research student has Registered for a post graduate degree*) .
 - a. Name of the research student:
 - b. Registered for postgraduate degree: YES/ NO
 - c. Specify the degree:
 - d. Date of registration:
 - e. Registration number:
9. Number of technical assistants/ labourers employed:

PART B

Details of the Project

1. Objectives of the project :.....
2. Objectives achieved to date :

The Grants contd.

3. Description of research carried out during the reporting period :
4. Results/ Observations/ Outputs (in detail):
.....
.....
5. Gantt chart for work done

Activity		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Planned												
	Progress												
	Planned												
	Progress												
	Planned												
	Progress												
	Planned												
	Progress												
	Planned												
	Progress												

- a. Are there any deviations in the work plan when compared to the original?
Yes/No
If yes give reasons:
- b. Did you obtain prior approval from the Research Council for the deviations:
Yes/No
If yes give reasons:

PART C

Project Expenditure

1. Is the work on schedule? If not give reasons:

2. List major items of equipment purchased during the reporting period

Item/Description	Date purchased	Value	

3. Expenditure incurred for the reporting period (Rs.): i.e. grantee's estimate

(Please provide the Financial Statement issued by the Bursar/ Accountant of the Institution as well)

Personal	
Equipment	
Consumables	
Lab services and sample analysis	
Statistical analysis	
Calibration of instruments	
Post-Graduate registration fee	
Travel and subsistence	
Miscellaneous	

4. Utilization of Funds

Vote	Total Allocation (Rs.)	Total amount spent to date (Rs.)	Percentage spent out of total allocation
Personal:			
Equipment:			
Consumable:			
Lab services & sample analysis:			
Statistical analysis:			
Calibration of instruments:			
Postgraduate registration fee:			
Travel and subsistence:			
Miscellaneous :			

5. Comments regarding project implementation, if any

.....

6. Submit a brief work plan for the next 06 months:

.....

The Grants contd.

7. Give projected expenditure for the next 6 months (Rs.): Grantee's estimate

Personal	
Equipment	
Consumables	
Lab services and sample analysis	
Statistical analysis	
Calibration of instruments	
Post-Graduate registration fee	
Travel and subsistence	
Miscellaneous	

PART D

1. Publications/Communications arising from the project during the reporting period (Please provide evidence).

.....

PART E

I hereby declare the information provided above is correct to the best of my knowledge.

.....
 Principal Investigator

.....
 Co- Investigator/s

Comments and recommendation of the Research Committee of the Faculty

.....

.....
 Signature of the Chairperson/ Research Committee

.....
 Date

Comments of the Dean of the Faculty

.....

.....
 Signature of the Dean of the Faculty

.....
 Date

FORMAT FOR INTERIM AND FINAL FINANCIAL REPORT

The Financial position of grant No.....as at awarded to Prof./Dr/Mr./Ms.by the Research Council of the University of Sri Jayewardenepura is as follows.

Item	Funds received by the Univ./ Institution	Total expenditure Rs.	Balance available Rs.
Personal			
Research Assistant			
Technical Assistant			
Other			
Equipment 1			
Equipment 2			
(Items purchased should be stated)			

Consumables			
Lab services & samples analysis			
Postgraduate Registrations Fees			
Statistical analysis			
Calibration of Instruments			
Travel & Subsistence			
Miscellaneous			

Unspent balance of the funds received		
Funds received		
Expenditure	Actual	
	Committed	
Balance		
Cash Imprest / Cash advance		
Balance as at		
Bursar/ Accountant		

Total:

Date:

Signature and of the Bursar

The Grants contd.

a. GUIDELINES / FORMAT FOR PREPARATION OF FINAL REPORT

- Two bound copies of the final report should be submitted to the RC through the Head of the Department, Research Committee and the Dean within two months of the completion of the project report.
- The Final report should be printed on A4 paper using single space and font 12.
- An electronic version prepared in MS Word should be also be submitted.
- Copies of published papers should be submitted, provided the published material is relevant to the research project and is a direct outcome of the project

Final Report should provide the following information

Section 1

Information regarding project/project personnel:

- I. Grant number
- II. Title of the project
- III. Principal investigator
- IV. Co-investigators
- V. Institute(s) where research was carried out
- VI. Date of award
- VII. Date of completion of project
- VIII. Total allocation of funds (Rs)
- IX. Total spent (Rs)
- X. Number of research students employed
- XI. Postgraduate degree completed with dates
- XII. Number of technical assistants and/or labourers employed and period of service
- XIII. Publications/communications arising from the project during the reporting period

Section 2

Executive Summary of the Project:

This should be limited to 350 words and include the scientific background and objectives, methodology and major findings.

Section 3

Report in detail: should contain the following (not less than 2000 words excluding Tables and Figures)

- I. Introduction/background
- II. Scientific scope of the project (overall and specific objectives)
- III. Materials and methods (including statistical methods)
- IV. Results/ outputs (Results should be given in detail)
- V. Discussion
- VI. Conclusion and recommendation
- VII. References
- VIII. Problems if any, encountered during the course of the project

Section 4

Impact of Research Results:

1. Relevance of results achieved to scientific advancement/ dissemination/application of research output- please give the tentative plan
2. Relevance of the results achieved to national/socio-economic development—please give the recommendations clearly as this write-up may be forwarded to potential users who will benefit from the research

Section 5

Miscellaneous

- i. List of major equipment acquired during the project period, their values and their functionality
- ii. List of publications/communications arising from the project and/or presentations made at seminars, workshops etc. (Please attach copies)

Section 6

Summary Statement of Expenditure

(indicate under personal, Equipment, Consumable, Lab Services & sample analysis, Statistical analysis, Calibration of instruments, PG registration fee, Travel and Subsistence and Miscellaneous)

Section 7

- I. Signature of Investigators (PI as well as Co-I)
- II. Comments and the signature of the Head of the Department
- III. Comments and the signature of the Chairperson/ Research Committee
- IV. Comments and the signature of the Dean

The Grants contd.

Report on Equipment Purchased Under the Grant

Grant No:

Details of the Principal Investigator and the Co-investigators

Faculty and the Department to which the principal investigator is attached

No.	Equipment Purchased	Date	Value	Location	Remarks (Inventory folio No.)
1					
2					

Grantee:

Signature:

Date:

b. REPORT ON NEW INNOVATION/INVENTION

Grant No.:

Details of the Principal Investigator:

Faculty and the Department of the Principal Investigator:

Part I: Information on Innovation/Invention							
No.	Innovation/Invention (please used additional paper if required)	Date of Invention	Statutory period		Date	Remarks	
			1 year	2 year			
1							
2							
Part II: Application for Patent Rights							
No.	Innovation/Invention (please used additional paper if required)	Elect to retain the patent right		Applied for Patent		Date of application for patent rights	Remarks
		Yes	No	Yes	No		

Have you done any publication after applying for a patent?

If yes, attach copies:

Principal Investigator

Signature:

Date:

3. OVERSEASE TRAVEL GRANTS

3.1. INTRODUCTION

Since the recent past, scholars of Global South as well as North have been compelled to be part of ever expanding transnational networks of the academic world where “research production” has become a contemporary phenomenon. As a learned response to this emerging reality, providing institutional support to “local scholars”, who are in a capable position to be part of these transnational networks, is vital.

3.2. ELIGIBILITY CRITERIA FOR A RECOMMENDATION OF AN OTG

At the time of applying for the OTGs (the OTG Application is available in the USJ website to be downloaded), the applicant:

- 1.1. must be a permanent staff member or a probationary member of the academic staff/ administrative staff of the USJ;
- 1.2. must either have postgraduate qualification or be engaged in the research component of his/her postgraduate studies; and
- 1.3. must have a research article accepted for presentation or invited as a keynote speaker of a session in an international research conference to be held in a foreign country.

Number of travel grants offered in each year will be decided by the university research council depending on the availability of funds..

3.3. CONDITIONS TO APPLY FOR AN OTG

- a. Once a grantee receives an OTG, the grantee will be eligible to apply for another USJ OTG only after the lapse of a minimum of two years from the date of return from their last funded visit.
- b. The grant will be offered to the presenter and he/she should fulfil the eligibility criteria mentioned in Section 3.2 above.
- c. In the case of a co-authored research article, the applicant should obtain written consent of his/her co-authors before applying for the grants.
- d. Applications for the OTG should be submitted to the Research Council of the University through the Head of the Department and the Dean of the Applicant’s respective Faculty at least two months prior to the Conference. The OTG application will be accepted at any time of the year.
- e. Applicant should submit following documents with a cover letter addressed to the Chairperson, Research Council of the USJ.
 1. Hardcopy of the Overseas Travel Grant Application Form (duly completed)
 2. Copy of the research article and/or abstract
 3. Letter of acceptance
 4. Full CV of the applicant (Please note that your updated CV should also appear in the University’s website together with URL of the Google Scholar Profile.)
 5. Conference brochure
 6. Cost breakdown
 7. Separate letters of declarations from all co-authors indicating that they have no objection for the candidate to present the research work in the said conference
 8. Three (3) quotations for airfare obtained from three different airline agents

The Grants contd.

9. If the applicant has obtained a travel grant from the University of Sri Jayewardenepura, please attach the letter issued by the Research Council accepting the final report submission.
10. Any other document which may support the application

2.6 The letter of acceptance should be provided before the OTG is released.

3.4. PROCEDURE OF AWARDING OTGS

- a. All applications are evaluated for awards by a sub-committee appointed by the RC of the University. The sub-committee will meet every 2nd Monday of the month and submit recommendations to the Research Council.
- b. Funding will be recommended for the conference registration fee, air fare, travel expenses, visa application fee and subsistence. Subsistence is paid only for the duration of the event including additional two days not to exceed 5 days.
- c. An OTG is considered for only one author in a co-authored article subjected to subsections mentioned above under eligibility criteria
- d. Applications will be considered for full support not exceeding LKR 250,000.
- e. Once the OTG is authorized the applicant is entitled to receive 90% of the grant subjected to the USJ/government financial regulations.
- f. Grantees are required to submit a detailed report on their participation according to the format given (see below) within a month of their return. This report should be submitted to the Research Council of the USJ through his/her Head and Dean of the Faculty. Remaining 10% of the OTG will only be released once the duly completed report with supportive evidence, is submitted within the stipulated period
- g. If the grantee was not able to participate at the conference due to any reason he/she is required to reimburse the full amount of the advance payment, which he/she has claimed, either within two weeks of the final date of the conference or within one-week on his/her return, whichever comes later subjected to the government financial regulations.
- h. The OTG shall only be utilized for the conference indicated in the application.
- i. If the conference is rescheduled or postponed, the grantee should inform the relevant authorities with evidence.

3.5. GENERAL INFORMATION

- a. The final decision will be informed to the applicant in writing within 10 working days of the meeting of the University Research Council at which the application was considered for the OTG.
- b. All payments are made according to the government financial regulations and relevant administrative circulars.
- c. Subsistence includes the allowance for accommodation and meals. It is paid according to the government circular no MOFP 01/2010/01. Rates for different countries will be varied in this respect.
- d. If the grantees fail to submit the final report, he/she will be disqualified to apply for any further OTG.
- e. Funding source should be acknowledged in the research presentation. The address of the USJ should appear as the institutional affiliation of the applicant at all times. In instances where an email address could be included in the conference proceedings USJ email address should be used.
- f. Incomplete applications will be rejected.

3.6. APPLICATION FOR UNIVERSITY OF SRI JAYEWARDENEPURA OVERSEAS TRAVEL GRANTS (OTG)

PART A - Checklist

Checklist of the documents to be submitted

Document	Please Tick (√)	Checked (for Office Use only)
1. Hardcopy of the Overseas Travel Grant Application Form (duly completed)		
2. Copy of the research article and/or abstract		
3. Letter of acceptance		
4. Full CV of the applicant (Please note that your updated CV should also appear in the University's website together with URL of the Google Scholar Profile.)		
5. Conference brochure		
6. Cost breakdown		
7. Separate letters of declarations from all co-authors indicating that they have no objection for the candidate to present the research work in the said conference		
8. Three (3) quotations for airfare obtained for three different airline agents		
9. If the applicant has obtained a travel grant from the University of Sri Jayewardenepura, please attach the letter issued by the Research Council accepting the final report submission.		
10. Any other document which may support the application		

PART B – Overseas Travel Grant Application

1. Information of the applicant

1.1. Full name:

1.2. Date of birth:..... Age (at the date of application):

1.3. National Identity Card Number:

1.4. Contact details:

USJ E-mail:

Mobile No.:.....

Office No.:

Fax No.:

1.5. Highest academic qualification:.....

The Grants contd.

1.6. Affiliation:

Google Profile URL:
 Present title:
 Department:
 Faculty:
 Date of appointment to the present title:

2. Information of the event

2.1. Title of the conference:
 2.2. Location (Country and City):
 2.3. Duration: From To:

2.4. Nature of the presentation: (please tick relevant selection)

- a. Keynote address/ invited speaker
- b. Oral presentation
- c. Poster presentation

Please provide the evidence of invitation letters/proof of submission

2.5. Title of the presentation:

2.6. Funding source and grant number:

2.7. Name of the principal investigator:

2.8. Contribution of the applicant to the research paper (in articles with more than one author):

2.9. Information of previous OTGs obtained from the university:

No.	Date of travel	Amount	Date of the submission of the Final Report:

3. Tentative Budget

3.1. Cost of participation:

Description	LKR
Registration fee:	
Airfare:	
Subsistence:	
Other (Please specify)	
.....	
.....	
.....	
Total	

3.2. Financial support requested from OTG: Registration fee/ air fare/ visa fees/ subsistence/other (please specify:.....):

LKR.

3.3. Details of the funds obtained by other sources:

Declaration

I certify that the information furnished by me in this overseas travel grant application are true and accurate to the best of my knowledge. I am aware that in any case, the above information is inaccurate/incomplete, the grant application will be rejected.

Date:

Signature :

.....

Observation/s of the Dean of the Faculty

.....

Date:

Signature :

Observation/s and recommendation of the OTG Sub-committee of the Research Council of the University of Sri Jayewardenepura

Date:

Signature of the Chairperson – OTG Sub-committee of the Research Council:

The Grants contd.

Approval of the Research Council of the University of Sri Jayewardenepura

.....
.....
.....

Date: Signature of the Chairperson – Research Council:.....

Approval of the Finance Committee

.....
.....
.....

Date: Signature of the Chairperson – Finance Committee:

3.7. FORMAT FOR THE FINAL REPORT (TO BE SUBMITTED WITHIN ONE MONTH OF RETURN TO THE COUNTRY)

1. Information of the OTG Recipient

1.1. Full name:.....

1.2. National Identity Card Number:

1.3. Contact details:

USJ E-mail:

Mobile No.:

Office No.:.....

Fax No.:

1.4. Affiliation

Present title:

Department:

Faculty:

Date of appointment to the present title:

2. Information of the event

2.1. Title of the conference:

2.2. Location (Country and City):

2.3. Duration: From To:

2.4. Nature of the presentation: (please tick relevant selection)

- a. Key note address/ invited speaker
- b. Oral presentation
- c. Poster presentation

2.5. Title of the presentation:

2.6. Brief report that includes experience, networking and collaborations established with other researchers and universities, awards for the best presentation/ poster, innovations, inventions, etc. (200 to 400 words, 12pt 1.5 spacing, Times New Roman):

.....

2.7. Actual cost of participation:

Description	LKR
Registration fee*:	
Airfare*:	
Subsistence:	
Other (Please specify*)	
Total	

*Evidence required.

2.8. Financial support obtained from OTG: Registration fee/ air fare/ visa fees/ subsistence/other (please specify:.....):

LKR

2.9. Please attach the copies of the following documents to the report:

- a. Abstract/ Full Paper/ Poster (hardcopy and softcopy – softcopy to be emailed to researchcouncil@sjp.ac.lk)
- b. Program schedule
- c. Attendance certificate
- d. Other relevant documents (if any)

I certify that the information and data furnished by me in this overseas travel grant report are true and accurate to the best of my knowledge.

Date:

Signature:

The Grants contd.

4. GRANTS FOR JOURNAL PUBLICATIONS

4.1. REIMBURSEMENT OF OPEN ACCESS FEE

Open access charges for publishing research articles (full paper) in an indexed journal* (accepted indexing services are given below), a maximum up to USD 750 per article will be granted. Supportive evidence need to be submitted. Up to USD300 is given for any indexed** full paper publications having impact factor of at least 1.

* Indexed Journal Publication: Recognized Index journals are listed at <http://www.isinet.com/journals> under:

1. Science Citation Indexed Expanded (™) (Web of Science)
2. Social Sciences Citation Index® (Web of Science)
3. Arts and humanities citation index® (Web of Science), etc.
and
4. Elsevier SCOPUS
5. Emerald Insight
6. Cabell's International

** Any indexed Journal Publication: Any indexed Journal not included in above (www.isinet.com/journals and others). Evidence of the indexing service needs to be submitted.

The evidence of above has to be submitted together with application form submitted.

The criteria to obtain open access fee:

1. Paper should be published in an indexed journal (see above for information)
2. Corresponding author should be a permanent academic/ administrative staff member of the University of Sri Jayewardenepura
3. Corresponding authors first affiliation should be "University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka"
4. Corresponding author/s email address/es should be a USJ email address

Application Form for the Reimbursement of Open Access Charges

Check List

	Details	YES	NO
1	Published article is attached		
2	Name of the University of Sri Jayewardenepura is stated as the applicant's institutional affiliation		
3	Corresponding authors email address contains the e-mail domain as 'sjp.ac.lk'		
4a	For papers published in indexed journals* A document to support the indexing services stated below should be attached*		
4b	For papers published in any indexed journal** Documents to support, 1. the indexing services stated below should be attached** 2. the journal has an impact factor of at least one		
5	Original payment document/s		

* Indexed Journal Publication: Recognized Index journals are listed at <http://www.isinet.com/journals> under:

1. Science Citation Indexed Expanded (™) (Web of Science)
2. Social Sciences Citation Index® (Web of Science)
3. Arts and humanities citation index® (Web of Science), etc.
and
4. Elsevier SCOPUS
5. Emerald Insight
6. Cabell's International

** Any indexed Journal Publication: Any indexed Journal not included in above (www.isinet.com/journals and others). Evidence of the indexing service needs to be submitted.

I hereby confirm that I have informed all the coauthors regarding my reimbursement and that I have not claimed before for the same article.

Applicant Name:

Faculty:

Department:

Signature:

Date:

The Grants contd.

4.2. REIMBURSEMENT OF LANGUAGE EDITING FEE

Once a research article (full paper) is accepted for publication in an indexed journal (accepted indexing services are given above), and is required for English editing, a maximum up to \$80 for local editing and \$300 for international editing per article will be granted. Supportive evidence need to be submitted. Only the corresponding author could apply for language editing fee.

The criteria to obtain language editing fee:

1. Paper should be published in an indexed journal (see above for information)
2. Corresponding author should be a permanent academic/ administrative staff member of the University of Sri Jayewardenepura
3. Corresponding authors first affiliation should be "University of Sri Jayewardenepura, Gangodawilla, Nugegoda, Sri Lanka"
4. Corresponding authors email address should be a USJ email address

Application Form for the Reimbursement of Language Editing Fee

Check List

	Details	YES	NO
1	Published paper is attached		
2	Name of the University of Sri Jayewardenepura is stated as the corresponding author's institutional affiliation.		
3	Corresponding authors email address contains the e-mail domain as 'sjp.ac.lk'		
4a	For papers published in indexed journals* A document to support the indexing services stated below should be attached*		
4b	For papers published in any indexed journal** Documents to support, 1. the indexing services stated below should be attached** 2. the journal has an impact factor of at least one		
5	Original payment document/s		

* Indexed Journal Publication: Recognized Index journals are listed at <http://www.isinet.com/journals> under:

1. Science Citation Indexed Expanded (™) (Web of Science)
2. Social Sciences Citation Index® (Web of Science)
3. Arts and humanities citation index® (Web of Science), etc.
and
4. Elsevier SCOPUS
5. Emerald Insight
6. Cabell's International

** Any indexed Journal Publication: Any indexed Journal not included in above (www.isinet.com/journals and others). Evidence of the indexing service needs to be submitted.

I hereby confirm that I have informed all the coauthors regarding my reimbursement and that I have not claimed before for the same article.

Applicant Name:

Faculty:

Department:

Signature:

Date:

The Grants contd.

5. UNDERGRADUATE INDEPENDENT STUDY GRANTS

With a view of developing a research culture among the undergraduates, the undergraduate independent study grants are awarded.

The Guidelines for payment for Undergraduate Independent Study Grants

All Hounors /Special Degrees students who undertake a research component (Six credits or higher) are entitled to request a maximum of Rs.5,000.00 for his/her research work. The request should be made to the Research Council by the respective Supervisor through the Head of Department and Dean of the relevant Faculty.

The money should be utilized for the following purposes

1. For any consumables (eg. chemical or glassware or computer accessories)
2. Any small instruments including pen drives worth less than Rs.5,000.00
3. Data collection

Head of the Department is responsible for settling the advance payments according to the financial regulations. The Head/Department has the option to get the advance payments based on the number of students who are undertaking the research or they can receive the reimbursement based on the funds utilized for the undergraduate research.

Students are entitled to receive this research money only once during his/her internal studentship period.

6. INFORMATION TO BE INCLUDED IN PUBLICATIONS

A. Publications arising from the University Research Grants

1. The principal investigator should be the corresponding author.
2. All publications should have the authors' University email address as the corresponding author's email address.
3. University of Sri Jayewardenepura (with correct spelling) should appear as the corresponding author's institutional affiliation.
4. The University Grant Number and the University of Sri Jayewardenepura should be acknowledged as the funding agency.
5. All conference proceedings should at least have the University of Sri Jayewardenepura (with correct spelling) as author's institutional affiliation and at all possible times acknowledge the University of Sri Jayewardenepura as the funding agency with the University Grant Number.

B. Publications arising from the University Research Centres established under University Research Council

1. All publications should have the university email address as the corresponding authors email address.
2. University of Sri Jayewardenepura (with correct spelling) and the name of the Research Centre should appear as the corresponding author's institutional affiliation.
3. University of Sri Jayewardenepura should be acknowledged as the funding agency.
4. All conference proceedings should at least have the University of Sri Jayewardenepura (with correct spelling) and the Name of the Research Centre as author's institutional affiliation. At all possible times acknowledge the Research Council of the University of Sri Jayewardenepura as the funding agency.

C. All publications requesting publication fee, open access charges, language editing fee

1. University email address should be there as the corresponding authors email address.
2. University of Sri Jayewardenepura (with correct spelling) should appear as the corresponding author's institutional affiliation.
3. If the research was carried out by a University Research Grant criteria given in Section A of this document should be fulfilled.
4. If the research was carried out with the funds from a University Research Centre criteria given in Section B of this document should be full filled.

Correct spelling that should be used are as follows: University of Sri Jayewardenepura

Correct abbreviation for the university is as follows: USJ

PART THREE

THE RESEARCH AWARDS

1. INTRODUCTION

Establishing a strong research culture in the university is an achievable challenge in the presence of proper drive and motivation. Founding of a strong research culture in the university will not only help us achieve the world class status by improving the University's rank locally and globally, but will also open up many other channels for further advancement as a higher education institute.

It is in this light, the Research Council has taken initiatives to promote and strengthen the research activities in the university. A logical and positive step towards that would be to recognize, support and encourage the academics, who conduct high quality research and publish them in recognized and indexed journals. Acknowledging such distinguished individuals through a fair rewarding mechanism would not only encourage them to pursue further research of higher standards, but would also surely entice the fellow academics to follow in their footsteps.

Thus the Vice Chancellor and the Research Council of the University of Sri Jayewardenepura have established a Research Award system to recognize and appreciate the contribution of academics who have conducted and published/presented their research at national and international conferences, peer reviewed and indexed journals.

This Research Award system is conducted through 16 categories where eligible candidates/departments/committee will be given monetary awards and certificates. The early career research award will be awarded to the best researcher less than 40 years and the Vice Chancellor's award will be awarded to the best researcher of the University following a stringent selection process.

2. CATEGORIES

This Research Award system is conducted through 16 categories where eligible candidates/departments/committees will be given monetary awards and certificates.

1. An abstract published in local/ foreign conference proceedings or symposium
2. A full paper published in local/ foreign conference proceedings
3. A full paper published in a refereed journal
4. A Full paper published in an University Journal
5. A full paper published in a journal indexed in an indexing service other than listed in category 6 below.
6. A full paper published in a journal indexed in an indexing service listed below: Recognized Index journals are listed at <http://www.isinet.com/journals> under:
 1. Science Citation Indexed Expanded (™) (Web of Science)
 2. Social Sciences Citation Index® (Web of Science)
 3. Arts and humanities citation index® (Web of Science), etc.
 - and
 4. Elsevier SCOPUS
 5. Emerald Insight
 6. Cabell's International
7. Researchers having the highest citations for the year
 - To be considered for the category 7 awards, the researcher should have an h-index of 5 or more
 - Three awards per each faculty will be awarded
 - 1st, 2nd and 3rd places will be awarded once in three years for the same candidate with effect from 2016

The Research Awards contd.

8. Researchers having the highest h-index for the year
 - To be considered for the category 8 awards, the researcher should have an h-index of 5 or more
 - Three awards per each faculty will be awarded
 - 1st, 2nd and 3rd places will be awarded once in three years for the same candidate with effect from 2016
9. Researcher having Highest Citation Impact (based on the citations for the year of the award and the preceding two years)
 - Three awards per each Faculty
10. Departments having Highest Cumulative Citations for the year
11. Early Career Researcher award

Eligibility criteria

- h-index should be 5 or more
- Senior Lecturer - Grade II or above
- Researcher has to be less than 40 years by the deadline for the Research Award Applications

Selection criteria

For the published articles,

- applicant should be the corresponding author of the published article
- corresponding author's affiliation should be University of Sri Jayewardenepura
- corresponding author's email address should be USJ email address

Award will be given to the candidate who has the highest cumulative impact factor for the full papers published in journals indexed in an indexing services listed under Category 6 above.

12. Vice Chancellor's award
 - Applicant has to be in permanent service at University of Sri Jayewardenepura for last five years
 - The selection will be done based on the CVCD Senior Researcher Excellence Awards criteria
13. Journals published in the University
14. Conference proceedings published by the University
15. Researchers who have obtained external research grants
16. Emeritus Professors (Researcher having h- index 10 or more)

3. APPLICATION PROCEDURE

The Research Council of the University announces the deadline for the application for University Research Awards for the year.

Following are the eligibility criteria:

- a. Be a permanent academic staff member of the university
- b. The applicant should process an updated Google Scholar profile with a verified USJ email address
- c. If the corresponding author of the publication is a USJ academic/ administrative staff member, the publication should contain USJ email address and the University of Sri Jayewardenepura as the researcher's institutional affiliation

The details of the application process and the online application system are made available at the University website.

4. RESEARCH AWARD CEREMONY

First ever Research Awards Ceremony of USJ was held at Hotel Golden Rose, Boralessgamuwa on 18th November 2015. The awards were given for the research work carried out in the year 2014. The Vice Chancellor, Snr.Prof. Sampath Amaratunge graced the occasion as the chief guest.

The colourful night of the Sri Jayewardenepura researchers was undeniably a memorable one, not only for the winners but also the entire university, as it marks another milestone in the university's history. A large number of researchers both expert and new, were awarded with prizes and certificates for their hard work, dedication and originality. The much awaited event contained a lot of excitement and entertainment to the audience.

Subsequently Research Awards 2015, 2016 and 2016 were held in 2016, 2017 and 2018, respectively.

Following are the researchers who won the Vice Chancellor's Award and the Young Researcher's award for the years: 2014, 2015 ,2016 and 2017.

Year	Vice Chancellor's Award	Young Researcher's Award
2014	Professor Neelika Malavige Faculty of Medical Sciences	Dr Daham Jayawardana Faculty of Applied Sciences
2015	Professor Sagarika Ekanayake Faculty of Medical Sciences	Dr Chandima Jeewandara Faculty of Medical Sciences
2016	Professor Pathmalal Manage Faculty of Applied Sciences	Dr Chandima Jeewandara Faculty of Medical Sciences
2017	Professor U G Chandrika Faculty of Medical Sciences	Dr Chandima Jeewandara Faculty of Medical Sciences

The Research Awards contd.



AMENDMENTS

Amendments to the relevant sections are given in **bold italics**.

University Research Grants

CRITERIA FOR APPLICATION

- a. The University Grants are awarded in a competitive basis for academics in permanent cadre (Senior Lecturer Grade II or above) and permanent administrative staff members.
- b. **Academic staff members (Senior Lecturer Grade II or above) who are 62 years or above on or before the first advertised date of application deadline are not eligible to apply for Research Grants as the Principal Investigator. Such academics can apply as Co-Investigators.**
- c. **When an academic applies for a new University Research Grant, application will be evaluated based on scientific merit and the progress of previous grants received by the relevant Principal Investigator based on a predetermined grading system. Grading system will be uploaded to the Research Council web site with the University Research Grants announcements.**

TERMS AND CONDITIONS

SECTION A – Commencement of Research Activities

The date of the commencement of the research activity should be informed through Faculty Research Committee and the Dean to the Research Council. Funds will not be released until the date of commencement is reported to the RC. **Grantees are advised to make the commencement within three months from the date of awarding the research grants. If the project was not commenced within three (3) months of the award Principal Investigator should submit a justification to the research council. Failure to do so may have a negative effect when considering for future grants.**

SECTION D – Final Research Report and Completion of the Grant

It is mandatory that you have to complete your research on stipulated time period. If you are unable to complete your research due to an unavoidable reason, a letter of justification including the progress so far should be submitted to the Research Council for consideration through the Head of the Department/the Faculty Research Committee and the Dean of the Faculty along with a request of extension. **A Financial report obtained from the Senior Assistant Bursar (SAB) of the respective faculty should also be submitted along with the request. The maximum period of extension given will be six (6) months. If another extension is needed, the Principal Investigator should give a strong justification with evidence.**

SECTION C – Progress Review

- A technical progress report (Progress Report Form) inclusive of an interim financial report (Interim Financial Report) should be submitted through the Faculty Research Committee and Dean to the Research Council by 15th of June and 15th of December of the year irrespective of the date of the commencement of the project.
- Reporting periods should be from Dec 16th – June 15th and June 16th – December 15th.
- Research grant advance payments will be stopped when the relevant progress reports are not received by the RC on its July and January meetings respectively.

Amendments... contd.

- All publications and conference proceedings pertaining to the grant during the reporting period have to be informed along with the progress report.
- All publications should have the university email address as the corresponding authors email address. The University Grant number and the University of Sri Jayewardenepura should be acknowledged as the funding agency. University of Sri Jayewardenepura (with correct spelling) should appear as the corresponding author's institutional affiliation.
- All conference proceedings should at least have the University of Sri Jayewardenepura (with correct spelling) as author's institutional affiliation.

Research Funding Monitoring Committee

Research Funding Monitoring Committee comprising of following committee members will be appointed to review the progress of the grants which do not comply with above mentioned terms and conditions. It will be held once in every six months to discuss matters pertaining to progress of the research grants and a detailed report will be submitted to the Research Council.

Principal Investigators of the University Research Grants which do not progress satisfactorily according to the terms and conditions laid above such as not being able to submit the final report within one year of completion, not being able to submit progress reports on or before the due date, will be requested to discuss their difficulties and provide justifications to the above committee.

Committee Members of the Research Funding Monitoring Committee

- i. Vice Chancellor***
- ii. Bursar***
- iii. Registrar***
- iv. Co-Chairpersons of the Research Council***
- v. Deputy Registrar - Academic Student Affairs and Publications***
- vi. Legal officers***
- vii. IIVCC –Co-Chairpersons***

Undergraduate Independent Study Grants

With a view of developing a research culture among the undergraduates, the undergraduate independent study grants are awarded.

The Guidelines for payment for Undergraduate Independent Study Grants All Hounors /Special Degrees students who undertake a research component (Six credits or higher) are entitled to request a maximum of Rs.5, 000.00 for his/her research work. The request should be made to the Research Council by the respective Supervisor through the Head of Department, Research Committee and Dean of the relevant Faculty.

The recommendation for undergraduate research should be done by the relevant Research Committee of the Faculty and payment is made through AB/SAB of the Faculty.

The money should be utilized for the following purposes

1. For any consumables (eg. chemical or glassware or computer accessories)
2. Any small instruments including pen drives worth less than Rs.5,000.00
3. Data collection

Head of the Department is responsible for settling the advance payments according to the financial regulations. The Head/Department has the option to get the advance payments based on the number of students who are undertaking the research or they can receive the reimbursement based on the funds utilized for the undergraduate research. Students are entitled to receive this research money only once during his/her internal studentship period

