

**PROGRAMME REVIEW REPORT**  
**Bachelor of Science Honours in Animal Science and**  
**Fisheries Degree Programme**  
**Faculty of Agriculture**  
**University of Peradeniya**  
**17-20 February 2020**



**Review Panel:**

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**Quality Assurance Council**

**University Grants Commission, Sri Lanka**

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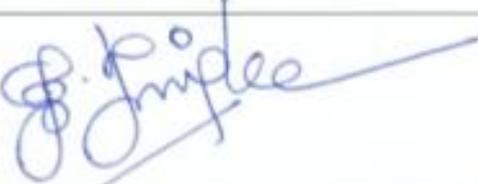
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University: University of Peradeniya

Faculty: Faculty of Agriculture

Program: BSc in Animal Science & Fisheries (BSc in AS &F)

Review Panel

| Name                              | Signature  |
|-----------------------------------|--|
| Prof. Chamila V.L. Jayasinghe     |    |
| Prof. Rathiranee Yogendrarajah    |   |
| Prof. Guttala Yugantha Jayasinghe |  |

Date: 20<sup>th</sup> February 20, 2020

## **Section 1: Introduction to Program**

### **1.1 The University of Peradeniya and Faculty of Agriculture**

The University of Peradeniya was established on 1<sup>st</sup> July 1942 as the “University of Ceylon”. It is the oldest university in Sri Lanka. The University of Peradeniya consists of nine faculties, namely Agriculture, Allied Health Sciences, Arts, Dental Sciences, Engineering, Management, Medicine, Science and Veterinary Medicine & Animal Science.

The Agriculture degree programme was launched on 5<sup>th</sup> of April 1947. In 1953, Faculty of Agriculture (FoA) and Veterinary Science was established with two departments; Department of Agriculture and Department of Animal Husbandry and Veterinary Science. In 1973, FoA was established as an independent faculty. Presently, FoA consists of eight departments namely Agricultural Biology, Agricultural Engineering, Agricultural Economics & Business Management, Agricultural Extension, Animal Science, Crop Science, Food Science & Technology, and Soil Science. Faculty owns its Sub-Campus in Mahailuppallama and three farms in Dodangolla, Meewathura and Mawellawatta. Livestock Experimental Station of the faculty is situated in Mawellawatta, which is managed by the Department of Animal Science.

There are three degree programmes offered by the FoA i.e. BSc degree in Agricultural Technology & Management, BSc degree in Food Science & Technology and BSc degree in Animal Science & Fisheries. The teaching staff consists of 105 permanent academic staff catering to the programmes including 74 PhDs holders.

### **1.2 Department of Animal Science (DoAS)**

Department of Animal Science (DoAS) has been in existence since the inception of the FoA, and became a fully-fledged department since 1968. The mission of the DoAS is “to endeavour for excellence in education, research and outreach in the fields of livestock and fisheries production, product processing and allied sectors for sustainable development”.

The facilities available in the DoAS include a Livestock Experimental Station at Mawellawatta, a Poultry unit, Feed and Herbage laboratory, Physiology laboratory and Dairy and Meat Product Technology laboratory. The Agro-product sales centre of Faculty of Agriculture and Milk bar of University of Peradeniya are also managed by the DoAS.

### **1.3 BSc Degree programme in Animal Science and Fisheries**

BSc degree programme in Animal Science and Fisheries (AS & F) was introduced in 2009 with the objective “impart the necessary theoretical knowledge and practical skills to the undergraduate students to satisfy the needs of the livestock and fisheries sector” and with the specific objective “produce graduates who will be confident and capable to identify and analyze problems in the livestock, and fisheries sector at farm, provincial, national and global levels and suggest and implement technologically feasible, socioeconomically appropriate and environmentally sound solutions”.

The first batch of students were enrolled to the degree programme in 2009/2010 academic year graduated in 2015. Since then 197 students have graduated with the degree. At present, 194 students are studying in five batches in the department. First years (2018/2019) partake in their orientation programme at Mahailuppallama sub campus while final years (2014/2015) are engaged in completion of their research projects which are scheduled in the last semester of the academic programme. Student statistics are given in Table 1 from year 2014- 2020. As a leading department of the AS & F study programme, DoAS contributes 79 compulsory credits and 6 optional credits to the AS & F degree programme, while other departments contribute 34 compulsory credits and 23 optional credits except the Department of Biology (Table 2). The credits offered by the department are covered by 12% Fisheries related courses, 24% Livestock and poultry related courses and 27% animal science cross cutting courses.

**Table 1: Student statistics (2014-2020)**

| <b>Academic Year (Year)</b> | <b>No. of Students Enrolled</b> | <b>No of students at present</b> | <b>No of Students Graduated (in respective year )</b> |
|-----------------------------|---------------------------------|----------------------------------|---|
| 2012/2013 (2014)            | 41                              | -                                | -   |
| 2013/2014 (2015)            | 32                              | -                                | 49  |
| 2014/2015 (2016)            | 28                              | 28                               | 42  |
| 2015/ 2016 (2017)           | 40                              | 38                               | 37  |
| 2016/2017 (2018)            | 48                              | 48                               | 41  |
| 2017/2018 (2019)            | 41                              | 36                               | 28  |
| 2018/2019 (2020)            | 48                              | 44                               | -   |
| <b>Total</b>                | <b>205</b>                      | <b>194</b>                       | <b>197</b>  |

**Table 2: Teaching contribution to the BSc AS & F from Department of Studies**

| Department of Study                            | Compulsory | Optional  |
|--|------------|-----------|
| Agric. Biology                                 | 0          | 0         |
| Agricultural Economics and Business management | 12         | 6         |
| Agricultural Engineering                       | 3          | 0         |
| Agricultural Extension                         | 4          | 10        |
| Animal Science                                 | 79         | 6         |
| Crop Science                                   | 10         | 7         |
| Food Science and Technology                    | 2          | 7         |
| Soil Science                                   | 3          | 0         |
| <b>Total number of Credits</b>                 | <b>113</b> | <b>29</b> |

**Table 3: Detailed distribution of academic cadre in 2020 (Number of academic staff)**

| Category                    | Quantity  | PhD       | Master   | Bachelor |
|-----------------------------|-----------|-----------|----------|----------|
| Senior Professor            | 1         | 1         | -        | -        |
| Professor                   | 5         | 5         | -        | -        |
| Senior Lecturer, Grade I/II | 7         | 6         | 1        | -        |
| Probationary Lecturer       | 7         | -         | 2        | 5        |
| <b>Total</b>                | <b>20</b> | <b>12</b> | <b>3</b> | <b>5</b> |

The DoAS holds a good blend of human proficiencies and possesses the highest number of permanent academic staff members (20) in the faculty including six Professors and seven Senior Lecturers (Table 3). There are 12 PhDs holders. The human and physical resources and facilities available in the department are shared with the other two degree programmes. As a result, some staff members in the department may endure comparatively higher workloads than other members.

There are number of International and National funded projects coordinated by the department members and they work towards expanding the laboratory facilities in the department. Subsequently, reviewers observed that the department has the capacity to expand the degree programme by enriching novel and highly demanded fields related to AS & F. However, reviewers discerned that major curriculum revision has not been undertaken since commencing of the programme in 2009.

## Section 2: Review Team's Observations on Self Evaluation Report (SER)

The DoAS had prepared the SER according to the structure given in the Manual for Review of Undergraduate Study Programmes of Sri Lankan Universities. The SER of the AS & F study programme consists of 74 pages with 4 sections. It provided an introduction to the study programme, preparation process of the SER, compliance with criteria and standards, and a summary.

*Section 1: Introduction to the study programme* consists of subtitles; an overview of the FoA, mission of DoAS, milestone of the study programme, graduate profile, programme ILOs, structure of the study programme, human and physical resources available in the department, staff profile of the faculty, student support system, management and development and table of SWOT analysis.

Milestone of AS & F study programme showed that the graduate profile and programme ILOs were developed according to the need assessment done in year 2004 and subsequently curriculum development process was completed in 2006. In 2017 a new curriculum revision process had been started and revised curriculum was attached as an Appendix 2. However, the review team observed that the new curriculum was yet to be implemented. Even for the new student intake of year 2020, the AS & F study programme uses the same graduate profile and programme ILOs introduced in 2006 (14 years before).

Staff profile information was given in Appendix 3. Accordingly, there were 20 academic carder positions available in the department with 14 non academics and 9 temporary academic staff members. This information emphasized the HR strength of the department. In addition to the general facilities available at UoP, physical resources and learning systems of the faculty encompassed a computer unit, English language teaching unit, Agri e-hub and faculty library. The UoP and FoA accommodate many resources which support student education and those were listed in Appendix 5. Agribusiness centre, Agricultural biotechnology centre, Agriculture education unit, Career Guidance Unit, Health centre, Indoor/outdoor sports facilities, Indoor/outdoor theatres, halls of residence, etc. are available facilities in faculty. Reviewers observed that the SWOT analysis presented in SER was based on the outcome of the stakeholder consultation done for HETC proposal development in 2012. Therefore, the SWOT analysis presented in SER may barely reflect the actual status of the AS & F study programme as information collected were basically for a different purpose.

*Section 2: Preparation process of the SER* was shown in page 7. Main writer of the SER was appointed at the FB meeting and rest of the team consisted of 13 members who were appointed by the Head/ DAS. All members of the department and students were aware of the QA process through workshops organized by the FQAC. They worked together to develop quality culture in DAS & F and FoA. Two members of the team had obtained the training offered by the QAAC/UGC. Many department level meetings were held to fine-tune the SER report before submitting to FB for approval. The SER writing process was directly supervised by the Dean. The reviewers observed that SER report writing team had been given adequate support from all categories of staff of the department as all the members of the department were well aware of the external QA review process. Responsibility of writing the report was divided among the academic members and they undertook the collection of evidences which were properly included in respective coded files according to the

guideline. Reviewers appreciated the way of presenting the documents, which was very helpful in carrying out a smooth audit.

*Section 3: Compliance with the criteria and standards* was compiled in pages 8-72 of the SER in accordance with guidelines of the manual. Standard number, Claim, Evidences and Code were given in separate columns of a table. A summary was given at the end of each criterion. Code numbers were correctly mentioned in the respective nicely organized files in different colours for respective criterion.

*Section 4: Summary* was compiled in page 73-74. It focused on designing of the AS&F study programme to produce graduates suited for national/international job market, strength of the teaching staff, teaching/learning activities adopted in delivering AS&F study programme, facilities of outreach arms of the faculty, etc. In addition, SER summary mentioned the steps taken in curriculum revision process and steps taken in increasing the facilities available in the department which are needed for effective delivery of the programme.

Six Appendices in the SER report included Organogram of FoA (page 76), proposed new curriculum (page 77-111), staff information (page 113-119), learning resources system (page 119), student support system (page 120-122), future plans to enhance the quality of graduates (page 123-124).

The SER on AS&F study programme, our evaluation of the evidence and interaction with various stakeholders over the last four days of review process confirms the high-level quality of teaching, learning and assessment at the department. The SER is a clear, concise and effective evaluation report. It is prepared aligning with the standard formatting recommended in the PR manual. Review team was very happy about the way the review visit and review process were organized by the FoA, FQAC during the site visit.

## **Section 3: Brief description of the review process**

### **3.1 Pre site visit evaluation**

The review process comprised of several stages beginning with a training given to the Programme Reviewers on programme review process by the QAAC at the UGC on 4<sup>th</sup> July 2019. The SER copies submitted to the UGC by the Faculty of Agriculture, University of Peradeniya were received by the members of the Review Panel at the Pre Review Workshop. The key aspect of programme review process was vigilant analysis of the SER submitted by the faculty following the guidelines given in the Manual for Review of Undergraduate Study Programmes of Sri Lankan Universities and Higher Education Institutions. Each member of the Review Panel assessed the SER and the results were submitted to the UGC by 31<sup>st</sup> July 2019. Individual reviewers' concerns and remarks over the evaluation were discussed among the members at the Pre Site Visit Meeting held on 2<sup>nd</sup> August 2019 at the UGC. Further clarifications on the provided evidence were discussed by the members at the Pre Site Visit Meeting.

The review chair contacted the Dean of FoA and finalized the site visit dates and schedule was confirmed with the agreement of the team members (Annexure 01).

### **3.2 Review Panel**

The Review Panel was appointed by the University Grant Commission, and consisted of Prof. Chamila V. L. Jayasinghe, Chair, (Wayamba University of Sri Lanka), Prof. Rathiranie Yogendra-raj, Member (University of Jaffna), and Prof. G.Y. Jayasinghe, Member (University of Ruhuna).

### **3.3 Site visit**

A tentative schedule was prepared for the 4 – day site visit in collaboration with the Director IQAU, Dean/FoA, Coordinator/FQAC and Director, QAAC/ UGC. The review was conducted from 17<sup>th</sup> to 20<sup>th</sup> February 2020. Dean, HOD of DoAS and Coordinator/FQAC made excellent arrangements to have all meetings in a very comfortable manner as per the programme schedule. The findings of the desk evaluation were supplemented by the observations and judgments made through perusal of evidence presented during the site-visit, and information gathered at discussions held with key stakeholders. The review team arrived at Hotel Oak Ray on 16th February and the team members had a pre-review meeting at 7.00 pm at the hotel premises to review and organize the sessions of the site visit.

The meeting with the Competent Authority of the UoP was attended by the Review team on 1<sup>st</sup> day (On 17th February 2020). The meeting was inaugurated at 8.00 am with the introduction of the review team to the Vice Chancellor of the University of Peradeniya, and Director IQAU, Dean/ FoA, HoD/ DoAs at VCs Office welcomed the review team and explained administrative structure pertaining to the quality assurance and actions taken to improve the quality of the education system of UoP, university ranking, establishment of the IQAU and Internal Quality Assurance mechanism of UoP, student facilities, handling of disciplinary related activities etc. Quality assurance related activities are regularly discussed at the Senate meeting of the UoP. There is a 5 year Quality Assur-

ance Plan in UoP and Action plans are monitored in quarterly basis, progress is discussed at the Corporate Management committee and reported to the council.

Meeting with the Director/ IQAU was held afterwards. IQAU was established in 2016. Director explained about the targets achieved by the IQAU to date. Management committee meeting of IQAU is held in regular basis and decisions/achievements are reported to the senate. QA activities are integrated to the corporate and strategic plan (2017-2021) in UoP. IQAU is having their Master Action plan for 2020-2028. Reviewers observed that permanent staff members should be recruited to the IQAU office.

A meeting with academic staff members who engaged in teaching in AS&F study programme was held at the Board room of FoA. The Dean presented about the faculty, study programmes offered, strengths of the teaching staff, international and national recognitions, resources available for student support, research activities and national/international research grants obtained by the faculty members, international collaborations, students activities etc. HOD of DoAS presented about the AS&F study programme and strengths of the department. HOD highlighted the milestone and key features of the programme, facilities available for the students in AS&F programme and the programme review process.

During the meeting with the academic staff excluding Dean and HOD, the staff members clarified the questions asked by the reviewers on credit allocation for industrial training (In-Plant training) and duration, credit transfer process, student assessment procedures (Summative examination), releasing of examination results, use of E-hub for teaching /learning process, monitoring of QA activities of the department, the facilities available for conducting respective course modules, usage of E-hub and Wi-Fi facilities available for students or learning activities, curriculum revision process, student research, research grants, international research collaborations, use of student feedback on course improvement, industry linkages, student mentoring etc. Reviewers noticed that as the present curriculum was introduced in 2009, the credit allocation of some courses is not compatible with SLQF. The reviewers appreciated the involvement and dedication of the academic staff members in relation to the delivering of the AS&F study programme to achieve the objectives stipulated and corporation extended to clarify the information. Reviewers observed that there was no single foreign student enrolled to the degree programme as per mentioned in the degree programme information.

The panel had a discussion with Career Guidance Director of the UoP and Career advisor. Career Guidance Unit of UoP conducts open programmes for student community in UoP and any interested students can participate after registering to the programme. They also organize custom made programmes to each faculty on request. Panel was impressed about the programme they deliver on leadership, citizenship, and team building during the orientation program with Department of Agriculture Extension (DoAE). The career development compulsory course module is delivered by DoAE and panel noticed that DoAE is coordinating relevant career guidance programmes to the student community in FoA without specifying the degree programme they studied. Director, Agribusiness Centre explained their functions and for most programmes student involvement is not prominent.

Discussions had with the temporary academic staff members and technical staff of the department explained their contribution for smooth delivering of the practical components of the degree programme. They have obtained the necessary training in this regard. Most laboratory practical are

conducted in DoAS and IT related practical are conducted at the computer unit of FoA. Agri-e-hub provides space for LMS based teaching, however the Wi-Fi facilities are not available at the Faculty premises for free access and online library facilities are not available for students.

Reviewer panel noticed that expansion of IT facilities for the student community in AS&F study programme may increase their E-hub usage.

On the second day (18<sup>th</sup> of February), the panel had discussions with administrative staff of the UoP and the faculty, examination handling staff, Directors of Centres/units/Cells, Student councilors and mentors, Proctor of UoP and Deputy proctors of the FoA. Panel observed that the faculty has dedicated administrative staff that provides maximum support to develop necessary facilities for smooth running of the programmes offered by the faculty. Regarding conduction of QA related activities, there is no special vote, however, upon the request the faculty produces the financial assistance to carryout activities.

Examination matters are handled at faculty level. Panel members observed that moderation, scrutinizing and second marking of examination papers/answer scripts need to be stream lined as 2nd marking is not initiated fully. Since April 2019, SOP handles examination matters and conducts examination.

Student counsellors are appointed at faculty level and appointment of mentors for all students of the faculty is appreciated by the reviewer team. During the discussion the faculty members expressed that a proper training is important to provide a better service to the students.

Panel observed that there is no ragging and bullying prevention policy in UoP, but students are made aware about the ragging act at the orientation programme and later on at different sessions. Rag prevention committee appointed by the faculty board work on the prevention of ragging related activities and Government law is operated whenever a concerning situation arises. In addition Student counsellors play a big role in prevention of ragging at the faculty premises, which was considered by the panel members. Non-academic staff members of the department are well aware of the quality assurance activities and programme review process.

The panel observed the teaching sessions conducted by the lecturers (AS 3203, ASF 1201, ASF 1204) and the facilities available at the department. They visited to the facilities at the department; General laboratory, Aquaculture wet laboratory, GC room, Bomb calorimeter room, Cell culture laboratory, Animal Physiology laboratory, Microbiology laboratory, Dairy technology and meat technology laboratories etc. The panel expressed their satisfaction with the way of conductance of the degree programmes and the facilities available at the department for a promising quality teaching blended with student/teacher centred learning activities.

On the same day the panel had a discussion with the students representing group (n=25) in each gender, ethnicity and level of study programmes to gather information on the satisfaction about the study programme. They expressed their views on in-plant training, research projects, work load, Society activities, sports facilities, availability and usage of IT facilities for student centered learning. They expressed their satisfaction with the way of conductance of the degree programmes and the facilities available at the Department/Faculty. Review team recognized that students are happy with their department academic mentors and their involvement in giving academic advices.

All the documentary evidence listed in the SER were examined by the team on all four days, except the time spent at meetings with stakeholders and visiting places to observe the facilities. In order to verify certain processes and practices, additional information was requested by reviewers. All additional information requested was promptly provided and documented very well in the private room which was allocated to the review team. The special effort to organize the documents systematically and logically was especially impressive. The reviewers were very impressed the way the review process was facilitated by the staff members and the hospitality extended. The review team would like to commend the head of the department, coordinator and the staff members of the department who supported in conducting the SER review.

On the 3<sup>rd</sup> day (19<sup>th</sup> Feb 2020) review team had discussions with Director, student accommodation, Acting Librarian and library staff, staff members of the English teaching unit, Instructor Physical education, and Wardens regarding facilities provided for the students. Review team was impressed with the activities conducted by the Gender Education and Women's Initiative Unit (GEWIU) which was under DoAE and the forwarded proposal.

The views of the present student community were not much different with Alumni members' views. However, both groups had similar thoughts on the degree programme; the name of the degree programme may not reflect the actual subject coverage of the degree programme, curriculum revision is needed, the curriculum is needed to be incorporated with subjects related to new technologies, technical information and process technologies. They believed that one stretch (6 months) of industrial training may offer more benefits for students.

Review team observed that the farm units conduct practical for AS and AS&F undergraduates. Review team appreciated the available facilities at the Farm unit and specially the Dairy processing plant which is managed under DoAS. At present, students are not engaged in farm activities and which are handled by the non-academic staff members. Review team believes that the available facilities must be used for student centred learning activities in the future by providing time space accordingly to let students get hands on experience by handling the animals by their own.

Reviewers visited Staff Development Centre and had a discussion with the Director and were very pleased about the courses they conduct for academic and non-academic staff members of the UoP. Reviewers noticed that many non-academic staff members of FoA obtained relevant trainings through SDC. Sports facilities, facilities at health centre and residential hostels were also observed. Faculty examination unit had confidential records of students' grades. ELTU facilities were going to be improved using AHEAD funds.

Faculty Quality Assurance Cell (FQAC), FoA was handled by the Director, the very senior academic in the faculty. The review team observed that the FQAC had adequate space and the office was functioning in a much updated manner. Documentary evidences on the FQAC meetings, student feedback reports, policy documents, etc were orderly arranged in the FQAC. The review panel appreciated the activities done by FQAC and the way it was functioning to improve the QA perspective of the programmes of the faculty.

Faculty has not allocated adequate space for Faculty Examination unit which is handled by the AR, FoA.

Each criterion was evaluated/observed by two members of the review panel and scores were assigned through discussion by the entire review team taking into consideration; the stakeholder meetings, observations of infrastructure facilities and observation of documents. The assessments were made on the extent of achievement of prescribed standards listed under eight criteria.

In the fourth day (20<sup>th</sup> Feb 2020), review was concluded with a wrap-up meeting, at 11.00 a.m. The team had a comprehensive discussion with the Dean, Head of the Department and academic staff members. During this meeting reviewers explained their observations and key findings and methods to further improve the quality of the academic programme and allied aspects.

The review team desires to articulate their appreciation to the Dean of FoA, Coordinator of FQAC, FoA, Head of the Department DoAS, academic, non-academic and administrative staff of the faculty to all the arrangements made for successfully completing the site visit within the time frame. On the 4<sup>th</sup> and final day of the review, the team visited the department to finalize the findings and discuss the process of writing the final report. The outline for the initial draft report was finalized. All attendance sheets of stakeholders meeting and reviewers meeting and photographs are annexed as appendix 1-6.

## Section 4: Overview of the Faculty approach to Quality and Standards

Faculty of Agriculture of University of Peradeniya, is renowned as one of the premier Agricultural educational institutions in the country, consists of eight academic departments offering three Special Degrees, in the Science stream. BSc in Animal Science and Fisheries degree programme is a leading degree programme of FoA where considerable percentage of courses are offered by Department of Animal Science and Fisheries (AS&F).

Livestock rearing is still a rural livelihood activity which utilizes idling labour, underutilized agricultural by products and marginal lands in Sri Lanka. Livestock industry and Fisheries play a vital role in the economy of Sri Lanka where livelihood of many depends on direct or indirect involvement in those sectors. Livestock Industry and Agricultural entrepreneurship progression and advancement is important for development of any country. BSc in Animal Science and Fisheries degree programme was particularly designed to cater to the growing need for such graduates locally and internationally. In such a context, DoAS has been in existence since the inception of FoA, and became a fully-fledged DoAS in 1968 mainly addressing the need of generating necessary knowledge, skills and attitudes to pursue a career as an academic, researcher, manager, planner, implementer and entrepreneur in the field of animal science and fisheries.

External Quality Assurance is an important component of the Quality Assurance (QA) framework of any higher education system. The main objective of the QA is to ensure the quality of education provision and standards of awards achieved by inculcating a quality culture within the institutions and promoting continuous quality improvement in all spheres of higher education, facilitated through periodic review and feedback.

It was observed during the review visit that the department is moving in the correct direction towards enhancing the quality of the Animal Science and Fisheries education even though the progress needs to be stepped up. The University maintains an Internal Quality Assurance Unit (IQUA) under able directorship and adequate resources. Further, the Faculty of Agriculture operates a Faculty Quality Assurance Cell (FQAC) under the guidance of the IQUA. Both IQUA and FQAC are playing an important role with a view to ensuring the quality of the B.Sc. in Animal Science and Fisheries degree programme. The submissions through the SER, outcomes of meetings with relevant stakeholders, observations made on documentary evidences and facilities have amply demonstrated that the faculty and department have taken progressive and determined efforts to internalize quality culture within all spheres of activities. Both IQUA and FQAC are working according to the Internal Quality Assurance Manual (2013) of the UGC and the Internal Quality Assurance Circular of 2015. As prescribed by the UGC Circular of 2015, the Internal Quality Assurance Unit of University of Peradeniya (UoP) was established in 2016 and with connecting that Faculty Quality Assurance Cells have been established. The IQUA office provides adequate space and other required facilities to run the office, however, functioning of the IQUA office and maintaining the documentary evidences in relation to the QA activities are hardly observed. Reviewers appreciated that Cor-

porate /Strategic plan and Action plans of UoP (2017-2021) identified the QA activities and budgetary lines were allocated for IQUA as well as for FQACs. Both bodies appear to be conducting regular meetings in order to uphold the quality of the existing study programmes. Further, the Senior Academic was appointed to the mainteam of writers to coordinate AS &F Study Programme SER. He has attended 'SER Writing' workshop conducted by UoP-IQAU for better understanding on procedures, and information on SER-writing. The Faculty is fully committed towards the quality enhancement of its study programmes even though the review team is not satisfied with the progress of some of the activities e.g. the progress of curriculum revision.

It was observed that the faculty has a very strong organizational structure that is adequate for effective quality management and execution of its core functions. Its management procedures are in compliance with national and institutional goals and objectives. Student participation is ensured at the FB. Academic calendar is communicated and followed and the website is up-to date and the ICT platforms have been put in place and used by the students.

The review team is of the opinion that the department has a great potential to update/upgrade its existing study programmes by incorporating the SLQF guidelines into the existing curriculum. Further, the review team recommends that the various standards given under the eight quality criteria of the Manual for Review of Undergraduate Study Programmes of Sri Lankan Universities and Higher Education Institutions (2015) be adopted by the Department of Animal Science (DoAS), University of Peradeniya on an ongoing basis. There was no adequate evidence that the study programme has incorporated fallback options, credit transfers, lateral entry/exit points, verification of marks/grades, facilities for repeat examinations without lag times for final year students etc. Therefore, a comprehensive revision of the existing B.Sc. (AS&F) curriculum by incorporating all the guidelines of the SLQF (2015) is highly recommended by the review team. Further, the review team suggests that a few workshops on curriculum development be held for the benefit of staff members with the participation of suitable resource persons from the UGC.

The FQAC of the Faculty, headed by a very capable and committed Coordinator has adopted participatory approach in spearheading its activities. Meetings of the FQAC management committee are held regularly and activities of the FQAC and the progress in quality enhancement efforts are monitored by the Faculty Board. Review team was convinced that the Faculty possesses the capacity to internalize quality culture within all spheres of activities and enhance the standards of all academic programmes and research and development efforts.

The positive attitude of the faculty towards quality enhancement however does not seem to be shared among academic members, unanimously. Within the faculty there appears to exist some resistance to change, and instances where tradition stands against the modern practices as revealed in the quality standards. For example, the programme is not adequately demonstrated the compliance with SLQF credit definitions.

In addition, students are given study guides or course outlines of the course units offered during the semester at its beginning. The academic members of the faculty have been trained on how to write course descriptions, modules or units but constructive alignments are yet to be done. A peer review

process has also been introduced in the Faculty, but its effective utilization to enhance the curriculum is yet to be instigated. Flimsy evidences were found on course evaluation process.

The IQAU and FQAC together have taken commendable efforts to internalize best practices and achieve the prescribed standards through provision of guidance and training. However, their activities must be further expanded to include a suitable performance appraisal system for monitoring of implementing the curriculum; both the delivery and the outcomes, so that based on the findings, the faculty could make progressive changes into its academic programmes and allied activities. It is also necessary to perform curricula revisions, minor revisions on annual basis and major revisions in 4-5 five year intervals, by taking into consideration student feedback, peer reviews, external review reports, employment surveys, and also with participation of all stakeholders. Furthermore, it is also recommended to design codes of practice as a policy document for areas such as programme and course and development, programme approval, programme delivery, monitoring and review, assessment of students, external assessors, student support and guidance services, career guidance services, postgraduate research programmes, etc. The review team earnestly believe that through such determined efforts, the faculty could internalize quality culture in its all spheres of activities and raise the quality and standards of the academic programmes to global standards while retaining their unique features, as they are.

## Section 5: Judgment on the eight criteria of programme review

### 5.1 Criterion 1: Programme Management

#### Strengths:

1. The faculty operates satisfactory approaches towards the effective delivery and management of the study programme.
2. The organizational structure is adequate for effective management of its core functions and accomplishment of its goals.
3. Programme is committed to enhance its governance and management that complies with administrative and financial regulations.
4. Study programme is designed in compliance with the vision, mission, objectives and core values of the faculty.
5. Faculty provides necessary information such as by-laws, examination regulations, etc. to students through Prospectus, Student Guide and website.
6. Programme complies with the institutional policy to promote gender equity and equality (GEE) and prevent any sexual and gender-based violence among all categories of staff and students.
7. The faculty conducts an orientation programme for new intakes.
8. Student counsellors and mentors are appointed in the Faculty to deal with student matters.
9. Timely completion of the degree programme to a greater extent.
10. The Internal Quality Assurance Cell of the Faculty of Agriculture is functioning at high level of standards although it was a recent initiative from the UGC-QAAC.
11. The Staff Development Center is well established with necessary infrastructure facilities.
12. The staff members have the opportunity for CPDs from the training workshops and induction courses conducted from University SDC.
13. Academic staff of the DoAS established collaborative partnerships with the national and international agencies.
14. Provision of Student Handbook for students at the beginning of the academic programmes.
15. University provides good healthcare services to the University community
16. Faculty takes adequate measures to prevent ragging.

#### Weaknesses:

1. All staff members are not following LMS in learning teaching process and only few of them are using the for LMS for teaching and assessments.

2. No adequate free Wi-Fi facilities in department premises or students' hostels
3. The Graduate profile and the ILO's do not fully comply with the requirement of SLQF as curriculum has not revised for last 10 years.
4. There is no formal mechanism for staff appraisals.
5. Lack of evidences for student feedback on orientation programme and student' support services.
6. Comprehensive regular guidance and monitoring of study programme has not been done by FQA C or respective subcommittees and no proper mechanism in implementing new curricula.
7. Lack of evidences on consultation of stakeholders through participatory approach continuously on effective delivery of the curriculum.
8. Lack of evidences on student participation in administrative decision making.
9. No comprehensive computerized examination management system with adequate information to support effective decision making.
10. No evidences on preparation of action plan by the department or continuous monitoring, reviewing or evaluation mechanism.

## **5.2 Criterion 2: Human and Physical Resources**

### **Strengths:**

1. The Faculty has a competent, dedicated, well-qualified academic staff with foreign training to deliver the academic programme and they all have undergone relevant staff development courses.
2. Many staff members of the faculty holds key positions in the university administration.
3. Infrastructure facilities are satisfactory with compare to limited financial resources.
4. Faculty encourages students' harmony and cohesion by promoting multicultural programmes.
5. Residential facilities are provided satisfactorily for both male and female students.
6. Livestock Experimental farm and Dairy processing unit is a blessing for the faculty.
7. Sports and Recreational facilities are available adequately.
8. MIS/E-hub is available for teaching and learning process.
9. Department laboratories are equipped with high-tech instruments.
10. Permanent residences have provided for most of the staff and eventually they participate and encourage students' on recreational activities.

### **Weaknesses:\***

1. Teacher evaluation criteria is not geared on OBE or SCL methods.
2. Evidences are not adequate on how different types of soft skills are embedded in the curriculum.
3. CPD programmes related to AS&F degree programme has not been adequately identified.

4. Career Guidance programmes are not properly streamlined.
5. No staff performance appraisals policy or guideline.
6. No adequate training facilities to improve English language teaching skill of the English teachers.
7. No evidences of regular training workshops on OBE-SCL, stakeholder feedbacks.
8. Lack of Wi-Fi facilities for strengthening e-hub usage for T&L.

### **5.3 Criterion 3: Programme Design and Development**

#### **Strengths:**

1. Graduate profile, ILOs of the programme and individual courses are well defined, realistic and achievable.
2. Programme designed with course specifications /course plans/course contents etc.
3. Curriculum course plans are available.
4. Research Projects and Industrial training component/field visits/ farm activities/Lab classes are well monitored.
5. The curriculum includes sustainability practices, social and business ethics, culture and social diversity factors for teaching and learning among students.
6. The curriculum of the programme encourages the development of intellectual capacity of students by providing numerical skills, analytical skills, IT skills, communication skills, and soft skills.

#### **Weaknesses:**

1. No regular mechanism or policy on curriculum revisions and monitoring once in five years /Action plans.
2. Exit pathways (fall back options) are not included in the curriculum.
3. In plant training is not credited and not given proper credit values.
4. In plant training is conducted during students' vacation.
5. Strength of the graduate profile is less and not updated and not ensured by introducing with adequate new /better courses.
6. Programme design should comply with the SLQF and SBS.
7. Lack of evidences observed on Curriculum/Assessment blue print alignment with the ILO-PLO.
8. Constructive alignment with ILO /teaching learning and assignments is not shown.
9. Lack of evidences in using wider stakeholder participation's and their feedback in course planning.
10. Lack of concern to use the expertise knowledge of the national bodies in fine-tuning the curriculum to meet the standards of the key thematic areas of the curriculum.

11. A graduate exit survey has conducted and the feedback has not been used for programme design or improvements.
12. No established mechanism for use of external staff for paper moderation and second marking as well as results verification mechanism need to be correctly addressed according to the UGC circular.
13. Lack of evidences on the role of FQAC in monitoring and implementation of study programmes.
14. Flimsy evidence on the curriculum revision process of the existing degree programme, which had been designed in 2009.
15. Supplementary courses in the existing curriculum are weak in enriching generic skills of students.
16. Lack of a policy document for students with disabilities with regard to the programme design & development and teaching & learning environment, i.e. the lack of provision of learning resources for the differently-abled students.

#### **5.4 Criterion 4: Course / Module Design and Development**

##### **Strengths:**

1. Course out lines and course manual are provided with ILOs.
2. SDC is well established and actively function.
3. Staff are trained by SDC and all staff completed the CTHE or similar programme.
4. Established mechanism on obtaining student feedback on teacher evaluation by faculty FQAC.
5. Courses are scheduled and offered in a manner that allow students to complete them within stipulated time period.
6. Students have opportunities for obtaining foreign exposure.
7. Many management related courses are included to the curriculum.

##### **Weaknesses:**

1. Evidence of usage of feedback of them for better delivery /improvement of course is not available.
2. Internal monitoring strategies and effective process management strategies should be followed through FQAC activities.
3. Usage of ICT courses blended with new technologies is not available in course delivering.
4. Number of management courses are available in the curriculum but it does not reflect on the degree name.
5. Notional learning hours are not implemented on par with SLQF guidelines.
6. Continuous course/programme evaluations are available but not implemented or use for the improvements.
7. Lack of evidence on taking differently able students' needs in designing courses/programme.
8. Limited utilization of LMS for teaching and assignments.

## 5.5 Criterion 5: Teaching and Learning

### Strengths:

1. Friendly and conducive learning environment.
2. Teachers encourage students to contribute to scholarship, creative work, and discovery of knowledge, related to theory and practice that are appropriate to their programmes and the institutional mission.
3. Course outlines and timetables are timely produced to the students before starting the semester.
4. Extracurricular activities are guided by the staff.
5. Field visits /industrial training/farm visits are adequately incorporated to teaching and learning.
6. Encourage / support the students to present /publish their research through FAURES by giving due credit to the student.
7. Students have opportunities to obtain foreign research exposure and faculty develops a research culture.
8. Established GEE cell.
9. Number of skill development courses have introduced by the Department of Extension.

### Weaknesses:

1. Lack of evidences on analyze and use the information arising from student feedbacks/peer observation to improve the quality of teaching & learning.
2. Mechanism for rewarding teaching excellence is not identified.
3. LMS record/Monitoring reports and LMS-Training invitation/ attendance inadequate.
4. There is no teaching blue print.
5. Lack of academic accountability records/ Wok norm- Work Load.
6. ILO alignments with assessments are not given.
7. Inadequate evidence of academic staff using technology in teaching; i.e. Google forms, peer evaluation including comments on the methods used, LMS activity reports, innovative activities, group work, case studies, Wi-Fi usage, assignments/plagiarism checks, etc.

## 5.6 Criterion 6: Learning Environment, Student Support and Progression

### Strengths:

1. The department functions in a conducive and kind environment with very good relationship with students and the academic staff.

2. The faculty recognizes and facilitates academic interaction among the mentors, Deputy Senior student counselor and students.
3. The Student Guide book is distributed to new entrants during the Orientation Programme.
4. Special attention is provided for students to improve their English language skills during orientation period.
5. The faculty has started the process of implementing policy on Gender Equity and Equality (GEE).
6. The policy framework with infrastructure facilities for students with special needs is at initial stage
7. Separate library facilities for the faculty.
8. Career guidance programmes are conducted through Department of Extension to enhance life-long learning.

**Weaknesses:**

1. Policy on fallback option in Faculty's Programme is not available.
2. Involvement of the Alumni Association to the curriculum development process is not evident.
3. Faculty conducted many workshops and seminars for students/staff. The completion report of the workshop and seminars have not submitted to the Faculty Board.
4. Student feedback on orientation programme has not been used for enhancing the quality of the programme.
5. Students' feedback on CGU activities and evidences on career advisory services is not available.
6. Monitoring committee reports for example, Anti ragging committee, Hostel committee, and welfare committee, etc are not available.
7. Stakeholders' feedback for the Library usage and ICT usage – Monitoring/Assessment/Implementation are not available.
8. CGEE has established as a faculty cell. The workshop minutes and feedback of the workshops are not available.
9. Evidence of admission to advance progression of studies are not available. The tracer studies haven't been continuously conducted.

## 5.7 Criterion 7: Student Assessment and Awards

### Strengths:

1. The assessment strategy and weightage relating to the different assessment of components explained to students through course structure and course specification.
2. Faculty members involved in assessing the students and well undertake their roles and responsibilities.
3. All the examiners are informed about the rules and regulations and examination etc.,
4. Faculty has initiated a policy to admit the students with special needs.
5. Transcript is made available at the graduation.
6. Clearly designed course regulations procedures and assessment criteria are conveyed to the students in advance.
7. Examination results are documented accurately and released on stipulated time.

### Weaknesses:

1. Lack of evidence on proper mechanism to obtain feedback from the moderators and second examiners.
2. No evidence or minutes of scrutiny board and results verifications board.
3. Lesson plan approval mechanism before starting the semester is not available and thereby no proper mechanism to evaluate the suitability of formative assessment strategies for large and small groups.
4. Two different level students are combined and conducting the assessments and in this case appropriateness of relative grades providing for small groups is questionable.
5. Summative assessment examination papers are not submitted with results sheet prepared by the first examiner.
6. Students surveys were done on assessment but the gathered information have not used for decision making / implementation.
7. Individual subjects' formative and summative assessment criteria are not available in the handbook.
8. Research project / industrial training assessment rubrics need to be introduced.
9. External Supervisor reports have not considered by the faculty.
10. Hardly found evidences that students are provided with regular, appropriate and timely feedback on formative assessments.

## 5.8 Criterion 8: Innovative and Healthy Practices

### Strengths:

1. The students are motivated for disseminating their research findings and FAUREs is providing initial platform.
2. Faculty has well established Alumni Association.
3. E-Hub is paved opportunities to facilitate teaching and assessment.
4. Department has its own Livestock Experimental farm which is used for student learning activities.
5. The faculty conducts income generating activities via their own sales centre.
6. Academic members done research activities in collaboration with the National and International Agencies.
7. Academic members obtain high-tech equipment through the national and international research grants.
8. Students have opportunities to get an overseas exposure and postgraduate opportunities to carry out their further studies.
9. Staff is engaged in consultancy work in Government organizations, and NGOs and conducting seminars and workshop to farmers, other organizations, and school children for dissemination of knowledge.
10. Faculty conducted International and National symposium and published journals.

### Weaknesses:

1. Development of a Policy on Credit transfer has not initiated.
2. Industrial training is not credited and not compliance with SLQF and no proper procedure for selecting industrial placements. Further conducting Industrial training in the vacation is not appropriate.
3. Results verification boards/Scrutiny board/Second examiner appointments have not regularized
4. No policy for fall back options.
5. Faculty policy on use of OER/guidelines on the use of OER/evidence of use of OER by teachers and students are not found.
6. No evidences were observed that the faculty has a reward system to encourage academics for achieving excellence in teaching, research and outreach activities.
7. Less usage of e-hub for teaching and learning process and none availability of Wi-Fi facility for department building has avoided the active engagement of students in learning process and teacher's involvement in variety of teaching practices.

## Section 6: Grading and overall performance of the programme

Marks allocated for the Faculty of Agriculture offering the honors degree in BSc in Animal science and Fisheries during the evaluation done from February 17 – 20, 2020, is given in the Table 4 below. Based on the above marks, the team appointed to evaluate the above programme proposes that the Bachelor of Science (Hons) in Animal Science and Fisheries degree programme of the Peradeniya University to Receive a **Grade "A" – Very Good (80.16%)**.

**Table 6.1** : Score given under each criteria for the for the BSc (Hons) Animal Science and Fisheries during the review process in 2020.

| No | Criterion   | Weighted minimum score* | Actual criterion-wise score |
|----|---|-------------------------|-----------------------------|
| 1  | Programme Management                                  | 75                      | 133                         |
| 2  | Human and Physical Resources                          | 50                      | 89                          |
| 3  | Programme Design and Development                      | 75                      | 115                         |
| 4  | Course / Module Design and Development                | 75                      | 118                         |
| 5  | Teaching and Learning                                 | 75                      | 105                         |
| 6  | Learning Environment, Student Support and Progression | 50                      | 78                          |
| 7  | Student Assessment and Awards                         | 75                      | 126                         |
| 8  | Innovative and Healthy Practices                      | 25                      | 37                          |
|    | Total score (out of 1000)                             |                         | 802                         |
|    | <b>Total score (out of 100)</b>                       |                         | <b>80.16</b>                |

**Final Grade: BSc (Hons) Animal Science and Fisheries obtained "A" grade.**

## Section 7: Commendations and Recommendations

### 7.1 Commendation

- The faculty organizational structure is adequate for effective management and execution of core functions of this programme which are discussed, evaluated and monitored at scheduled regular and special Faculty Board meetings.
- The faculty has Prospectus and produced an informative handbook available to all incoming students of the programme and given to each at the ceremonial induction of students.
- The faculty has established a Faculty Quality Assurance Cell (FQAC) and its activities are taken as an agenda item of the Faculty Board which would work positively for the programme.
- The faculty has established collaborative partnerships for academic and research activities through signing of MoUs which is beneficial for the programme.
- All students and staff have access to a well-resourced library facility.
- Information availability for the students and staff through the website.
- Adequate facility is available for students and staff to engage in multi-cultural programmes to promote harmony and cohesion.
- The programme provides course specifications including assessment procedures and timetables before the commencement of the course.
- The program's teaching/learning strategies include opportunities for students to work in study groups to promote collaborative learning.
- Teachers engage students in research and encourage/support students to publish research outcomes.
- Provision of a student pre-orientation programme that helps new students to manage their "new life" in the university.
- The faculty maintains up-to-date records on student progress throughout the programme of study.
- Partnerships and collaborative academic works with local and foreign universities and institutions through MOUs and Initiation of National projects with local and global institutions.
- Mechanisms are in place that all staff adheres to University guidelines of examinations and regulations are communicated to the students at time of enrolment.
- The student hostels are maintained in good order.

- Cordial personal relationships among students and staff lead to coherence in the campus community assuring higher productivity and uninterrupted, smooth function of the academic activities.
- Ragging is kept under control by the joint efforts of academic staff, student counselors, and mentors of the faculty and university proctor.
- Social & cultural events and out-bound programmes provide a wider spectrum of opportunities to enhance soft skills such as leadership and social responsibility.
- Department website is up-to-date and timely information and notifications are provided by this.
- FoA has signed MoUs with foreign universities and local organizations to enhance academic and research collaboration.
- Constructive alignment of course content, learning activities and assessment with the course ILOs.
- Students are able to complete the programme within the intended period of time.
- Most senior and qualified academics in the department are strengthening the study programme.
- Department has well-functioning Livestock experimental unit (for teaching purposes) and sales centres.

## 7.2 Recommendations

- When the faculty believes that a certain long-standing practice gives good outcomes it would be beneficial to identify it as a good practice and then develop it to be a policy to be adopted. Faculty Board approval would be needed for the new policy. If University approval could be obtained, so much the better.
- Relevant documents pertaining to curriculum development should be made available and the curriculum revision should be completed soon and introduce new curriculum.
- Special support and assistance i.e. Wheelchair facilities, elevator access to lecture halls and additional time allocation at examinations for differently abled students should be ensured.
- Adequate Wi-Fi facilities to be made available to better facilitate administration, teaching and learning.
- A mechanism for regular capacity development of technical officers to be initiated.
- Programme design process should adequately incorporate feedback from employers and professionals.
- Constructive alignment of each course with the programme outcome should be clearly outlined.

- Very clear mapping of Programme learning objectives and Course Indented Learning outcomes.
- Higher integration of appropriate research by teachers into their teaching activities is needed.
- More documentation on evidence that teachers adopt innovative pedagogy for effective teaching/learning to be made available.
- More evidence which ensures that external examiner marks/reports are considered by Examination Board for finalization of marks to be made available.
- Industrial training should be credited and should not be conducted in the vacation period. As per the feedbacks obtained during the site visit, allocated time period should be increased for the internship/industrial training component to enhance the practical knowledge and skills of the students.
- Higher encouragement of staff and students to use OER to supplement teaching and learning.
- Introduce a mechanism for the recognition of any achievement for students who do not complete the programme.
- Curriculum and assessment strategies should be further aligned with the SLQF guidelines and Subject benchmarks.
- Feedback reports should be obtained for moderation of examination question papers and on the second marking of the answer scripts, after providing course ILOs and marking schemes to the external/second examiners.
- Student workload should be calculated considering notional hours too and adhered to the SLQF guidelines on student workload.
- Learning Management System (LMS) should be utilized fully by all academic staff, including course assignments and all other educational purposes.
- Wi-Fi facilities need to be strengthened in the Faculty Premises and Student Residential areas that staff/students could use the LMS more effectively.
- Monitoring committee reports such as anti-ragging committee, hostel committee, should be maintained.
- Very clear mapping should be done with programme learning objectives and Course Indented Learning outcomes.
- Include relevant subjects in the new curricular to impart the knowledge and skills in social interactions.
- Adopt comprehensive mechanism for monitoring faculty action plan and the study programme. Incorporate regular curriculum revisions and monitoring once in five years to the action plan is recommended.

- Secure and reliable examination system (External moderators, Second examiner appointments, Scrutiny, Results verification, etc) should be maintained by the FoA.
- Clear policies and guidelines with TORs should be ensured to appoint internal and external examiners.
- A comprehensive computerized examination management system for effective decision making should be ensured.
- Ensure wider stakeholder participation, including external stakeholders, alumni members, when designing and revising programme and course curricula.
- Consider full time internship to the students at least a 3 month period.
- Providing “fall back” option is encouraged.
- Collaborate with other universities to work out a credit transfer system to facilitate the lateral mobility of students from one university to another.
- Implementing performance appraisal and reward systems to encourage academics for achieving excellence in teaching and research.
- Introduce a procedure to conduct make-up examinations for students who are unable to sit for examinations due to justifiable reasons.
- Improve Wi-Fi facilities in the department premises and ensure the optimal use of available E-hub facilities and encourage staff members to use LMS in learning teaching process as well as assessment
- Proper mechanism should be adopted in implementing new curricula at early as possible. In plant training should be credited with proper credit values and extended /shift from the vacation.
- Revisit the degree name to reflect its core values is recommended (Present curriculum is included with many management related courses but it is not properly reflected in anywhere).
- Introduce regular training workshops on OBE-SCL, obtaining stakeholder feedbacks on OBE- SCL methods is encouraged.
- Use of monitoring committee (Anti ragging committee, hostel committee, welfare committee, etc) reports for developing effective strategies to improve comfortable learning environment should be secured.
- Establish CGEE as a faculty cell and use stakeholders’ feedback for providing better service.
- Introduce better counselling and mentoring mechanism and provide appropriate training for the academic staff members and peers need to be facilitated.

## Section 8: Summary

Faculty of Agriculture of University of Peradeniya, is prominent as one of the premier Agricultural educational institutions in Sri Lanka, and consists of eight academic departments offering three special degrees in the Agricultural stream. It has 70-year history in higher education in Sri Lanka. BSc in Animal Science and Fisheries degree programme was particularly designed to provide to the growing need for specialized fields of Livestock Industry and Fisheries. Report focuses on the process of generating wealth and social wellbeing through programme review of Bachelor of Science in Animal Science and Fisheries (BSc AS&F) Study Programme which is the leading programme of FoA offered by Department of Animal Science and Fisheries (AS&F).

The programme review of the University of Peradeniya BSc in AS & F (Special) Degree FoA was successfully completed by the review team during six months including a site visit conducted from 17<sup>th</sup> to 20<sup>th</sup> February 2020. The FoA, UoP provides an excellent environment conducive for academic pursuits, scholarly work, socio-cultural activities, innovative thinking and research. As per the present programme review of the above degree programme, it is evident that, there are both strengths and weaknesses with regard to the quality of the study programme, as evaluated under the eight review criteria specified in the PR Manual of the QAC.

As indicated in Section 2, the SER was written in line with the guidelines specified in the PR manual. However, the SER had few shortcomings - failure to provide appropriate evidence to support some claims, incompatibility of evidence provided with the claims, citing same irrelevant documents as evidence for several claims, very few contextual and typographical errors, etc. However, the FoA was well prepared for the site-visit of the programme review. The Vice Chancellor, Dean of the Faculty, Director- QAC, Coordinator- IQAC, Head of the DoA and academic staff members extended their fullest cooperation during the site visit.

The steps followed in the review process are explicated in the Section 3 of the report. The programme review was conducted in accordance with the guidelines prescribed in the PR Manual with an agreed time schedule by both parties and judgment on study programme was reached by making evidence-based assessment of the degree of internalisation of prescribed best practices and extent of achievements in respective standards defined under the eight review criteria. The review team observed that the Degree Programme is implementing several good practices as described in the Review Manual of the University Grants Commission, Sri Lanka to maintain its quality. Some of them are unique to this degree programme.

The review team met the competent authority of the University and Faculty including staff of the IQAU and FQAC, academic staff members, administrative staff members, none academic staff members, alumni members and students during the review process. Furthermore, the review team evaluated documentary evidences submitted, made observations on class room teaching, and visited departments, laboratories, farms, learning resource centres and common amenities. At the end of 4<sup>th</sup> day, the review team had a debriefing with the programme management team and academic staff, and presented the findings in terms of strengths and weaknesses and possible ways of improving the programme further.

It was evident to the review team that human and physical resources and facilities available are sufficient to conduct the degree programme efficiently and effectively. The programme is conducted by adequate numbers of qualified academic staff. Also, the faculty organisational structure is adequate for effective management and execution of core functions of this programme which are discussed, evaluated and monitored at scheduled Faculty Board meetings.

Several MoUs signed with collaborative partnerships have benefitted the degree programme. In addition to the academic activities, the faculty has made provision for the students to engage in activities which promote ethnic and social harmony. In general, all academic staff in the AS&F degree is expected to be research-active, with the expected proportion of research effort varying between different levels.

The programme provides course specifications and timetables before the commencement of the course. The observation of theory and practical classes showed that staff is committed to doing a good job at teaching. Social interaction between the faculty and students are conducted through the students' associations. Teaching learning methods of the faculty appear to be appropriate and effective. The Prospectus and Student handbook provides information about faculty, department, degree program, courses, examination regulations, facilities, etc. to all students. The faculty organizes an annual international research conference and student colloquium to encourage research and publications, which foster a research culture among academia and students.

Overall, the curriculum revision process is yet to be completed in meeting the requirements. Programme teaching, learning and assessment process and subject description need further improvement. Internal monitoring strategies and processes to evaluate, review and improve course design, development and operationalisation need further strengthening for better achievements. Utilization of the support of stakeholders and alumni is not up to an appreciable level.

The programme does not encourage the admission of differently abled students due to the high component of field practicals involved. The present programme design and development procedures do not provide any fall-back option and credit transfer system to the students. Although the faculty recognizes the value of creative and innovative approaches in teaching and research, few progressive steps have been taken to institutionalize a teacher appraisal system to reward the staff members who excels in teaching. There was no evidence or firm plan to capture and retain foreign students in the degree programme though it is one of the original idea when developing the degree programme.

Present curriculum BSc AS & F is hardly follow SLQF framework for key aspects of a study programme, e.g. research projects and implant training, therefore, adhering to SLQF is encouraged as it is practiced by all the national universities. The degree programme has not designed its' assessment strategy to align with SLQF requirements and also not yet encouraged adequately the staff and students to use OER to supplement the teaching and learning process and the evidence on such is inadequate. In addition, industrial training has been conducted during vacation period and it has not been credited.

Review team is of the opinion that to bring this programme to its highest standard it requires some remedial actions listed under recommendation in section 7, implement new curriculum accordance with SLQF, increase usage of e-hub, developing of laboratory and other practical facilities, deployment of necessary academic and non-academic cadres and their knowledge updates in changing technologies, increasing the relevant reading materials in the library and access to new knowledge

through outreach activities. In view of all theses, averting the weakness and lapses will pave the way to a successful programme to produce globally employable graduates in this unique area.

The review team's assessment of the level of accomplishment of quality expected of an academic programme, based on the grading of overall performance are indicated in the Table 4 in section 6, which provides the information on the calculation of the grade. According to the Table 4 in the Section 6, each of the 8 criterion did score more than the minimum weighted score. The overall percentage value scored was 80.16%. **Therefore, a Grade-A and Very Good Performance Descriptor is assigned.**

The review team acknowledges with no reservation, the cooperation and support by the Vice Chancellor, Deputy Vice Chancellor, Dean of the Faculty, Heads of Departments/Centres/Units, Director IQAU, Coordinator FQAC/ FoA, all academic and non-academic staff and students of the degree programme, during the programme review period. The team strongly believes that the comments made by them will help in improving the quality of the degree programme.

## Appendices

### *APPENDIX 1: Additional evidences requested by the review team at the site visit*

#### **B.Sc. (ASF) Programme Review**

##### **Documents Requested During site visit (17<sup>th</sup> -19th February 2020)**

1. Recommendations identified by Institutional Reviews of University of Peradeniya -2016
2. Recommendations identified by Subject Reviews of Departments – 2004
3. Activities of Gender Education and Women’s Initiative Unit
4. Curriculum Development Committee - Criteria for granting for the B.Sc. Degree
5. Activities of the Agribusiness Centre (2014- 2019)
6. Draft Financial Statement of Agribusiness Centre 2018.01.01 – 2018.12.31
7. Projects of Agribusiness centre.
8. Library Allocations and Utilization (2014-2019)
9. Student Accommodation Policy
10. Academic Transcripts
11. Job description – Computer Application Assistant
12. Policy on Sexual or Gender – Based Harassment and Sexual Violence
13. E- Learning and Computer Unit Management Committee – Subcommittee Report 2019
14. Course Evaluation
15. Budget of Animal Science project - 2019,2018,2017,2016
16. Research publications of Academic staff, Dept. of Animal Science, Faculty of Agriculture
17. Credit percentage of Agricultural Technology and Management Degree Programme
18. B.Sc. Animal Science and Fisheries Degree date of admission and date of graduation 2008-2014
19. Drop outs – Animal Science and Fisheries Degree
20. Statistical Handbook 2018 – University of Peradeniya
21. Time table for 1100,2100,3100 and 4100 series examination – June/July, 2013
22. Time table for 1200,2200,3200, and 4200 series examination – December, 2014
23. Time table for 1200,2200, and 3200, series examination – November, 2015

24. Time table for 1200,2200 and 3200 series examination – November, 2015
25. Revised Examination Timetable – Semester 1, 2015-16 (July – August, 2016)
26. Revised time table for 1100,2100,3100 and 4100 series examination, academic year 2017/semester 1
27. Time table for 1200,2200, and 3200 series examination, academic year 2017/ semester 2
28. Time table for 1100,2100 and 3100 series examination academic year 2018/semester 1
29. University of Peradeniya Action Plan 2020
30. University of Peradeniya Action Plan 2019
31. University of Peradeniya Action Plan 2018
32. University of Peradeniya Action Plan 2017

## APPENDIX 2: Programme Schedule of the site visit

**Faculty of Agriculture, University of Peradeniya (UP)**  
**Program Review - BSc Degree in Animal Science & Fisheries-**  
**Schedule for the Site Visit**  
**17<sup>th</sup> to 20<sup>th</sup> February 2020**

17<sup>th</sup> Feb 2020 (Monday)

| Time              | Activity   | Participants   | Location                       |
|-------------------|--|--|--------------------------------|
| 8.00- 8.30 a.m.   | Meeting with the Vice Chancellor   | Vice Chancellor, Dean, HOD, Director – IQAU, Co-ordinator – FQAC, Chair - SER team<br>Organize by Director/IQAU  | Venue: Senate or VC Office     |
| 8.30- 9.00 a.m.   | Meeting with the Director - IQAU   | Director – IQAU, Faculty Coordinator-IQAU<br>Organize by Director/IQAU   | Office of IQAU, UP             |
| 9.00- 10.30 a.m.  | Presentation about the Faculty and study program by Dean<br><b>Working tea</b>   | Dean, Director-IQAU, Coordinator- FQAC, All HODs of the Faculty (contributing Department for AF program), Coordinator-Study program, SER team<br>Organize by Dean and Coordinator IQAU | Faculty Board Room             |
| 10.30- 11.30 a.m. | Meeting with academic staff in permanent cadre   | Teaching panel (excluding Dean and HOD)<br>Organize by Head/AS   | Faculty Board Room             |
| 11.30-12.00 a.m.  | Meeting with academic temporary staff  | Demonstrators, Tutors<br>Organize by Head/AS   | Faculty Board Room             |
| 12.00 -12.30 p.m. | Meeting with Director Carrier Guidance Unit, Carrier Guidance Coordinator of the Faculty or program. Include SAWC and Dr. Chandana Jayawardena | Director carrier guidance unit and faculty coordinator<br>Organize by Coordinator/IQAU   | Animal Science (AS) Board Room |
| 12.30- 1.00 p.m.  | Meeting with TOs/Lab staff   | TOs and lab staff<br>Organize by Head/AS   | AS Board Room                  |
| 1.00-1.30 p.m.    | <b>Lunch</b>   |  |                                |
| 1.30- 6.00 p.m.   | Observing documentation of evidences<br><b>Working Tea</b>   | Facilitators   | AS Board Room                  |

18<sup>th</sup> Feb 2020 (Tuesday)

| Time               | Activity   | Participants  | Location                                      |
|--------------------|--|---|---|
| 8.30- 9.00 a.m.    | Meeting with administrative staff, University/ Faculty                                       | Registrar, Bursar, SARs, AB, SAB, Works Engineer<br>Organize by Coordinator/IQAU  | AS Board Room                                 |
| 9.00-9.30 a.m.     | Meeting with Examination Handling staff  | DR-examination (we don't have, include Mrs. Tharanga), AB/SAB- examination, Any staff member who handle examination matters<br>Organize by Coordinator/IQAU | AS Board Room                                 |
| 9.30- 10.00 a.m.   | Meeting with Directors of Centres / Units (Lecturer In-Charge/MI)<br><b>Working Tea</b>      | All Directors of Centres/ In charge- Units/ Cell Coordinators<br>Organize by Coordinator/IQAU   | AS Board Room                                 |
| 10.00- 11.00 a.m.  | Observing teaching sessions and facilities (lecture halls, IT facilities, laboratories etc.) | Facilitator   | Any class at the Department of Animal Science |
| 11.00 - 11.30 a.m. | Meeting with Student Counselors and Mentors  | Student Counselors and Mentors<br>Organize by Coordinator/IQAU  | AS Board Room                                 |
| 11.30-12.00 Noon   | Meeting with Proctor/UOP and Deputy Proctor/FA   | Proctor/Deputy proctor<br>Organize by Dire Coordinator/IQAU   | AS Board Room                                 |
| 12.00-12.30 p.m.   | Meeting with non-academic staff  | Non-academic staff<br>Organize by Head/AS   | AS Board Room                                 |
| 12.30-1.00 p.m.    | <b>Lunch</b>   |   |   |
| 1.00 -2.00 p.m.    | Meeting with Students  | Group of students (20) (representative of gender, ethnicity, level of study programs)<br>Organize by Head/AS  | AS Board Room                                 |
| 2.00 -6.00 p.m.    | Observing documentations of evidences<br><b>/Working Tea</b>                                 | Review Team/ Facilitators   | AS Board Room                                 |

19<sup>th</sup> Feb 2020 (Wednesday)

| Time              | Activity   | Participants   | Location                       |
|-------------------|--|--|--------------------------------|
| 8.00-9.00 a.m.    | Observing documentation of evidences   | Review Team and Facilitators   | AS Board Room                  |
| 9.00- 10.30 a.m.  | Meeting staff from Physical Education Dept., Medical Center, Director Accommodation Library, ICT center, ELTU staff            | Librarian/Director-Physical Education, University Medical Officer, Director and staff ICT center/ English department and Director/Student Accommodation<br><b>Organize by Coordinator/IQAU</b> | AS Board Room                  |
| 10.30- 11.30 a.m. | Visiting Sports Center, Medical Center, Canteens, student's complex, Library, Hostels<br><b>Working Tea</b>                    | Librarian/Director-Physical Education, University Medical Officer/Director-ICT/Staff-English Department<br><b>Organize by Coordinator/IQAU</b>   | Visiting Facilities            |
| 11.30- 12.15 p.m. | Meeting with Alumni members  | Alumni members<br><b>Organize by Head/AS</b>   | AS Board Room                  |
| 12.15- 1.00 p.m.  | Free to meet any other people who has any concerns   | <b>Organize by Coordinator/IQAU</b>  | AS Board Room                  |
| 1.00-1.30 p.m.    | <b>Lunch</b>   |  |                                |
| 1.30-2.30 p.m.    | <i>Farm visit (Please arrange the farm visit when students are available at the farm): Practical demonstration at the farm</i> | Organize by Head/AS  | Mawela Livestock Field Station |
| 2.30- 6.00 p.m.   | Observing documentations of evidences<br><b>Working Tea</b>  | Review Team and facilitators   | AS Board Room                  |

20<sup>th</sup> Feb 2020 (Thursday)

| Time                   | Activity  | Participants  | Location           |
|------------------------|---|---|--------------------|
| 8.00- 10.00 a.m.       | Observing documentations of evidences                                 | Facilitators  | AS Board Room      |
| 10.00- 11.30 a.m.      | Private meeting of reviewers and report writing<br><b>Working Tea</b> |   | AS Board Room      |
| 11.30 a.m.- 12.00 noon | Closing meeting for debriefing  | Vice Chancellor/ Dean/ Director – IQAU/ HODs/ Coordinator – FQAC/ Chair & the SER team<br><b>Organize by Coordinator/IQAU</b> | Faculty Board Room |
| 12.30- 1.30 p.m.       | <b>Lunch</b>  |   |                    |
| 1.30 p.m.              | Departure of the PR panel   |   |                    |

APPENDIX 3: Attendance sheets of meetings held

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

1

Meeting with the Vice-Chancellor

Date: 2020.02.17

Time: 8:30 a.m.

Venue: K. Office

| S/N | Name                          | Designation              | Signature   |
|-----|-------------------------------|--------------------------|-------------|
| 1.  | Prof. Cepel. Dissanayake      | VC                       | [Signature] |
| 2.  | Prof. SHPP Kannanathu         | DVC                      | [Signature] |
| 3.  | Gamini Pusgokunne             | Dean / Agriculture       | [Signature] |
| 4.  | Dr Ruce Desliapnys            | FOA                      | [Signature] |
| 5.  | Prof. Rajitha Paddegama       | Director / IQAU          | [Signature] |
| 6.  | G.Y. Jayasinghe               | Review team member       | [Signature] |
| 7.  | Prof. CVL Jayasingha          | Chairperson / Review C.  | [Signature] |
| 8.  | Dr. S. R. Yogendrarajasekaran | Review team member       | [Signature] |
| 9.  | Prof. J.K. Vidanaratchchi     | Coordinator / Facch IQAU | [Signature] |

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

2

Meeting with the Director/Internal Quality Assurance Unit

Date: 2020.02.17

Time: 9:05 a.m.

Venue: Office of the IQAU

| S/N | Name                          | Designation               | Signature   |
|-----|-------------------------------|---------------------------|-------------|
| 1.  | Prof. CVL Jayasinghe          | Chairperson / Review team | [Signature] |
| 2.  | Dr. S. R. Yogendrarajasekaran | member / Review team      | [Signature] |
| 3.  | G.Y. Jayasinghe               | member / Review team      | [Signature] |
| 4.  | Prof. Rajitha Paddegama       | Director / IQAU           | [Signature] |
| 5.  | C. M. N. Ranawanga            | Secretary / IQAU          | [Signature] |
| 6.  | R. M. S. K. Rathnayake        | Management Asst IQAU      | [Signature] |
| 7.  | J.K. Vidanaratchchi           | Coordinator / IQAU / FA   | [Signature] |
| 8.  |                               |                           |             |
| 9.  |                               |                           |             |
| 10. |                               |                           |             |

**ATTENDANCE SHEET**  
**PROGRAM REVIEW - BA DEGREE IN ANIMAL SCIENCE & FISHERIES**

③

Presentation about the Faculty and Study Program

Date: 2024/11/17

Time: 9:10 - 11:35 WIB

Venue: Board Room/Fac. of Agriculture

| NK | Name                     | Designation     | Signature |
|----|--------------------------|-----------------|-----------|
| 1  | Misaka PD Widyaparawanda | Senior Lecturer |           |
| 2  | Bisma Teguhana           | Professor       |           |
| 3  | Mahesa Haryuganti        | Lecturer (PhD)  |           |
| 4  | Vigi Suman Kusnaya       | Lecturer (PhD)  |           |
| 5  | Gustaf Sumantha          | Lecturer (PhD)  |           |
| 6  | Viriji Fyauwera          | Lecturer (PhD)  |           |
| 7  | Bandarkawo               | Senior lecturer |           |
| 8  | Pradeepa Bandarkawo      | Senior lecturer |           |
| 9  | S. H. C. Hicali          | "               |           |
| 10 | Redap Sih                | Professor       |           |

③

| NK | Name                   | Designation     | Signature |
|----|------------------------|-----------------|-----------|
| 11 | S. M. P. N. Amalia     | Lecturer        |           |
| 12 | N. M. T. P. Anigrahini | Senior lecturer |           |
| 13 | A. R. S. A. Annisa     | Senior lecturer |           |
| 14 | I. S. Pramutubi        | Senior lecturer |           |
| 15 | Karna Melita MRP       | Senior lecturer |           |
| 16 | B. S. P. Ananti        | Senior lecturer |           |
| 17 | R. P. N. P. Rajapakse  | "               |           |
| 18 | S. A. Wansari          | "               |           |
| 19 | B. Maranta             | Senior Lecturer |           |
| 20 | Sawanta Siswanya       | Senior Lecturer |           |
| 21 | S. P. N. Sumantha      | Professor       |           |
| 22 | D. W. Utami Gung       | Lecturer        |           |

③

| NK | Name                      | Designation           | Signature |
|----|---------------------------|-----------------------|-----------|
| 23 | T. S. Samudra             | Senior Lecturer       |           |
| 24 | Chandra Jayawanda         | "                     |           |
| 25 | Tereza Marissa            | Professor             |           |
| 26 | Sung. Kallimale           | Senior Lecturer       |           |
| 27 | P. H. P. Haryana          | Senior Lecturer       |           |
| 28 | CMB Jantawana             | Professor             |           |
| 29 | J. K. Vidanarathna        | Professor (SAR) Guest |           |
| 30 | RMC Dandupriya            | Senior lecturer       |           |
| 31 | Pri Oti Jayanta           | Chairman / Prof       |           |
| 32 | G. Y. Jayanta             | Board team member     |           |
| 33 | Prof. B. Y. Sumantha      | Senior team member    |           |
| 34 | Prof. R. R. P. Sumantha   | Director / Prof       |           |
| 35 | Prof. K. A. S. Rastawekha | Senior Professor      |           |
| 36 | B. R. S. Rastawekha       | Senior / Assistant    |           |

**ATTENDANCE SHEET**  
**PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES**

(4)

Meeting with Academic Staff in Permanent Cadre

Date: 2020.02.17

Time: 11.15 - 12.05  
a.m. p.m.

Venue: Board Room/Fac. of Agriculture

| SN  | Name                   | Designation               | Signature |
|-----|------------------------|---------------------------|-----------|
| 1.  | Pradeepa Bandaranayake | Senior Lecturer/Asst      |           |
| 2.  | K.M.S. Wimalasiri      | Associate Professor /Asst |           |
| 3.  | E.R.S. Samarakera      | Lecturer (Pub) /Asst      |           |
| 4.  | S.G.V.B. Wanniarso     | Lecturer (Pub) /Asst      |           |
| 5.  | Sunay Koththald        | Senior Lecturer /Asst     |           |
| 6.  | B.S.A.K. Pathirajaya   | Lecturer (Pub)            |           |
| 7.  | J.M.P.H. Anurahe       | Lecturer (Pub)            |           |
| 8.  | U. Dissanayake         | Lecturer                  |           |
| 9.  | C. Jayawardena         | Senior Lecturer           |           |
| 10. | M.P.P. Wijayasinghe    | S. Professor              |           |

(4)

| SN  | Name                               | Designation     | Signature |
|-----|------------------------------------|-----------------|-----------|
| 11. | E.T.S. Madhubhathi                 | Lecturer        |           |
| 12. | Kumara Mahipala                    | Senior Lecturer |           |
| 13. | Barana Jayasinghe                  | Professor       |           |
| 14. | T.S. Somaratne                     | Senior Lecturer |           |
| 15. | E.M.C. Himali                      | " "             |           |
| 16. | Pradeepa Silva                     | Professor       |           |
| 17. | Buddhi Maramban                    | Senior Lecturer |           |
| 18. | R. Fonseka                         | Senior Lecturer |           |
| 19. | S.P. Nissanka                      | Professor       |           |
| 20. | <del>Sujeetha Arisajayathana</del> | Senior Lecturer |           |
| 21. | Samantha Jayasinghe                | Senior Lecturer |           |
| 22. |                                    |                 |           |

**ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES**

6

**Meeting with Director CGU and Career Guidance Coordinator of the Faculty**

Date: 2020.02.17

Time: 12:45 - 1:45 p.m.

Venue: Board Room/Dept. of Animal Science

| S/N | Name                    | Designation               | Signature |
|-----|-------------------------|---------------------------|-----------|
| 1.  | Dr Chandana Jayawardena | Senior Lecturer           |           |
| 2.  | Prof. D.A. Dhamasen     | Professor                 |           |
| 3.  | L. S. P. Lankatilaka    | Careers Advisor           |           |
| 4.  | G.Y. Jayasinghe         | member - Review Team      |           |
| 5.  | Prof. R. Yogendrarajan  | member - Review Team      |           |
| 6.  | Prof C.V.L. Jayasinghe  | Chairperson - Review Team |           |
| 7.  | Prof L.H.P. Gunarathne  | Director, ABC             |           |
| 8.  |                         |                           |           |
| 9.  |                         |                           |           |
| 10. |                         |                           |           |

| S/N | Name                  | Designation | Signature |
|-----|-----------------------|-------------|-----------|
| 11. | M.W.H. S. Dhamarathna |             |           |

5

**ATTENDANCE SHEET**

**PROGRAM REVIEW- B. Sc DEGREE IN ANIMAL SCIENCE & FISHERIES**

14

**Meeting with non-academic staff**

Time 12:10 p.m - 12:35 p.m.

Date: 2020.02.17

| S/N | Name                       | Designation                   | Signature |
|-----|----------------------------|-------------------------------|-----------|
| 1   | Anusha Hiranthi Attanayake | Senior Ass staff Aest.        |           |
| 2   | D. N. Ishan                | Acting Farm Manager           |           |
| 3   | T.M.S.P Seneviratne        | work aid                      |           |
| 4   | R.D. Jayaratna             | Salesman                      |           |
| 5   | R.M.A.S Rathnayaka         | Work Aid                      |           |
| 6   | S.P.S. Seneviratne         | work aid                      |           |
| 7   | S.M. Tilak Bandula         | work Aid                      |           |
| 8   | Prof C.V.L. Jayasinghe     | Chairperson - Evaluation team |           |
| 9   | Prof. R. Yogendrarajan     | member - Review team          |           |
| 10  | G.Y. Jayasinghe            |                               |           |

**ATTENDANCE SHEET  
PROGRAM REVIEW - BS DEGREE IN ANIMAL SCIENCE & FISHERIES**

⑦

**Meeting with Technical Officers and Laboratory Staff**

Date: 2024/1/7

Time: 1:45 P.M. - 2:15 P.M.

Venue: Board Room/Dept. of Animal Science

| SN | Name                     | Designation             | Signature          |
|----|--------------------------|-------------------------|--------------------|
| 1. | C. Purwanga              | Staff Technical officer | <i>[Signature]</i> |
| 2. | S.P.N. Ekawatyati        | staff technical officer | <i>[Signature]</i> |
| 3. | Dr. L. Darmasetya        | Technical Officer       | <i>[Signature]</i> |
| 4. | I. I. Lestiana Sulaksana | Staff Technical officer | <i>[Signature]</i> |
| 5. | S. Sofya Sulaksana       | Lab Asisten             | <i>[Signature]</i> |
| 6. | C. A. Hineka Pratiwi     | Lab Asisten             | <i>[Signature]</i> |
| 7. | M. A. M. Mahendra        | Lab Asisten             | <i>[Signature]</i> |
| 8. | Y. N. Seneviratne        | Lab Asisten             | <i>[Signature]</i> |
| 9. | G. D. D. Bandara         | Lab Asisten             | <i>[Signature]</i> |

⑦

| SN  | Name                | Designation            | Signature          |
|-----|---------------------|------------------------|--------------------|
| 10. | Prof. CVL. Singsing | Chairman - review team | <i>[Signature]</i> |
| 11. | Dr. S. Singsing     | member - review team   | <i>[Signature]</i> |
| 12. | Prof. R. Yogambroja | member - review team   | <i>[Signature]</i> |
| 13. |                     |                        |                    |
| 14. |                     |                        |                    |
| 15. |                     |                        |                    |
| 16. |                     |                        |                    |
| 17. |                     |                        |                    |
| 18. |                     |                        |                    |
| 19. |                     |                        |                    |
| 20. |                     |                        |                    |
| 21. |                     |                        |                    |

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

8

Meeting with Administrative Staff - University/Faculty

Date: 2020.02.18

Time: 8:30 a.m. - 9:20 a.m.

Venue: Board Room/Dept. of Animal Science

| S/N | Name                    | Designation               | Signature               |
|-----|-------------------------|---------------------------|-------------------------|
| 1.  | J.P. Wesley             | ASSISTANT REGISTRAR       | J.P. Wesley             |
| 2.  | S.N.K. Kannarathna      | Assistant Bursar          | S.N.K. Kannarathna      |
| 3.  | P.S. Panditharatne      | Works Engineer            | P.S. Panditharatne      |
| 4.  | Saman Rajapala          | Actg Registrar            | Saman Rajapala          |
| 5.  | E.A.W. Balasuriya       | Bursar                    | E.A.W. Balasuriya       |
| 6.  | Prof. R. Yogendrarajah  | Team member of Quality    | Prof. R. Yogendrarajah  |
| 7.  | G.Y. Jayasinghe         | Review - Team member      | G.Y. Jayasinghe         |
| 8.  | Prof. C.V.L. Jayasinghe | Chairperson - Review team | Prof. C.V.L. Jayasinghe |
| 9.  |                         |                           |                         |

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

9

Meeting with Examination Handling Staff

Date: 2020.02.18

Time: 9:20 a.m. - 9:35 a.m. Venue: Board Room/Dept. of Animal Science

| S/N | Name                    | Designation          | Signature               |
|-----|-------------------------|----------------------|-------------------------|
| 1.  | J.P. Wesley             | ASSISTANT REGISTRAR  | J.P. Wesley             |
| 2.  | B.P.T.S. Balasuriya     | Management Assistant | B.P.T.S. Balasuriya     |
| 3.  | G.Y. Jayasinghe         | Review Team member   | G.Y. Jayasinghe         |
| 4.  | Prof. R. Yogendrarajah  | Review Team member   | Prof. R. Yogendrarajah  |
| 5.  | Prof. C.V.L. Jayasinghe | Chair (Review team)  | Prof. C.V.L. Jayasinghe |
| 6.  |                         |                      |                         |
| 7.  |                         |                      |                         |
| 8.  |                         |                      |                         |
| 9.  |                         |                      |                         |

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

Meeting with Directors of Centres/Units/Cells

Date: 2020.02.18

Time: 9:35 a.m. - 10:03 a.m.

Venue: Board Room/Dept. of Animal Science

| S/N | Name                  | Designation                 | Signature   |
|-----|-----------------------|-----------------------------|-------------|
| 1.  | Parakrama Weligamage  | LIC / MI Sub Camps          | [Signature] |
| 2.  | C. K. Baneragama      | Director / Agric. Edu. Unit | [Signature] |
| 3.  | Pradeepa Bandarnayake | Director / AGBC             | [Signature] |
| 4.  | Prof CVL Jayasinghe   | Chairperson / Renew Team    | [Signature] |
| 5.  | G. Y. Jayasinghe      |                             | [Signature] |
| 6.  | Mrs. R. Yegambajin    | member / Review team        | [Signature] |
| 7.  |                       |                             |             |
| 8.  |                       |                             |             |
| 9.  |                       |                             |             |

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

Observing Teaching Sessions and Facilities

8:00-9:00 a.m. - Observing teaching sessions.

Date: 2020.02.18

Time: 10:05 a.m. - 11:25 a.m. Venue: Dept. of Animal Science

\* Observed teaching sessions on AS 32.03: Applied Animal Physiology 8:00-9:00 a.m. & ASF 1201 Fish Nutrition.

| S/N | Name of Visited and Observed facilities                   | Designation   | Signature |
|-----|---|---|-----------|
| 1.  | - General Laboratory                                      | Discussed matters with laboratory staff & students as well. Attended practical - ASF 1201 Fish Nutrition. |           |
| 2.  | - Aquaculture wet-laboratory                              |   |           |
| 3.  | - Aquaculture dry-laboratory                              |   |           |
| 4.  | - GC Room / Bomb Calorimetry Room                         |   |           |
| 5.  | - Cell Culture Laboratory & Research lab                  |   |           |
| 6.  | - Animal Physiology Laboratory                            |   |           |
| 7.  | - Staff rooms, Postgraduate & Research Assistant Cubicles |   |           |
| 8.  | - Microbiology lab  | Attended practical on enumeration of microbes from animal food & products. Animal Ethology lab            |           |
| 9.  | - Dairy Technology Laboratory                             |   |           |

- Meat Technology Laboratories
- Pasture Lab.

[Signatures and dates: 18/02/2020, 18/02/2020, 18/02/2020]

**ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES**

12

*Meeting with Student Counsellors and Mentors*

Date: 2020.02.18

Time: 11.20 a.m. - 11.50 a.m.

Venue: Board Room/Dept. of Animal Science

| S/N | Name                    | Designation                | Signature |
|-----|-------------------------|----------------------------|-----------|
| 1.  | S.D.S. Hemachandra      | Senior Lecturer            |           |
| 2.  | W.S. Dandeniya          | Senior Lecturer            |           |
| 3.  | L.K. Weerasinghe        | Senior Lecturer            |           |
| 4.  | R.D.C. Deshapriya       | Senior Lecturer            |           |
| 5.  | Mr. R. Yogendra Rajan   | Member - Review team       |           |
| 6.  | G.O.Y. Jayasinghe       | - do -                     |           |
| 7.  | Prof. C.V.L. Jayasinghe | Chair person - Review team |           |
| 8.  |                         |                            |           |
| 9.  |                         |                            |           |

**ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES**

13

*Meeting with Proctor/Deputy Proctor*

Date: 2020.02.18

Time: 11.50 a.m. - 12.10 p.m.

Venue: Board Room/Dept. of Animal Science

| S/N | Name                    | Designation                      | Signature |
|-----|-------------------------|----------------------------------|-----------|
| 1.  | D.V. Jayatilaka         | Senior Lecturer / Deputy Proctor |           |
| 2.  | N.W.S. Balasuriya       | Proctor / W/P                    |           |
| 3.  | G.O.Y. Jayasinghe       |                                  |           |
| 4.  | Mr. R. Yogendra Rajan   | Member - Review team             |           |
| 5.  | Prof. C.V.L. Jayasinghe | Chair person - Review team       |           |
| 6.  |                         |                                  |           |
| 7.  |                         |                                  |           |
| 8.  |                         |                                  |           |
| 9.  |                         |                                  |           |

ATTENDANCE SHEET  
PROGRAM REVIEW - BS DEGREE IN ANIMAL SCIENCE & FISHERIES  
Meeting with Student

15

Date: 2024.11.20 Time: 1.05 P.M. :- 2.00 P.M. Venue: Board Room/Dept. of Animal Science

| SN | Name                   | Designation    | Signature          |
|----|------------------------|----------------|--------------------|
| 1  | G.D.S.P. Rajaguruachan | Student - 3300 | <i>[Signature]</i> |
| 2  | Mavinda M.M.P          | Student - 3300 | <i>[Signature]</i> |
| 3  | P.R. Hignya            | Student - 4300 | <i>[Signature]</i> |
| 4  | T.I.Q. Anandkumar      | Student - 4300 | <i>[Signature]</i> |
| 5  | D.D.N.H. Gananayake    | Student - 1200 | <i>[Signature]</i> |
| 6  | J.A. Wijesinghe        | Student - 1200 | <i>[Signature]</i> |
| 7  | J.A.V.S. Jayathilaka   | Student - 1200 | <i>[Signature]</i> |
| 8  | S.W.M.V.P. Senarathne  | Student - 2300 | <i>[Signature]</i> |
| 9  | S.A.C.C. Kumudapala    | Student - 2300 | <i>[Signature]</i> |

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| SN | Name                   | Designation    | Signature          |
|----|------------------------|----------------|--------------------|
| 10 | S. S. Maduranga        | Student - 3300 | <i>[Signature]</i> |
| 11 | S.T.M. Mahipalathilaka | Student - 3300 | <i>[Signature]</i> |
| 12 | Rajasing - P           | Student - 1200 | <i>[Signature]</i> |
| 13 | Mudalimalathilaka      | Student - 3300 | <i>[Signature]</i> |
| 14 | Bandula Rajasinghe     | Student - 3300 | <i>[Signature]</i> |
| 15 | Chandani Herath        | Student - 3300 | <i>[Signature]</i> |
| 16 | S.A.S. Sumanaya        | Student - 4300 | <i>[Signature]</i> |
| 17 | H.A.S. Dissanayake     | Student - 3300 | <i>[Signature]</i> |
| 18 | J.A.S. Madura          | Student - 2300 | <i>[Signature]</i> |
| 19 | H.L.D. Sumanayake      | Student - 1200 | <i>[Signature]</i> |
| 20 | D.M.M.C. Dissanayake   | Student - 2300 | <i>[Signature]</i> |
| 21 | S. Rajarathna          | Student 2300   | <i>[Signature]</i> |

15

| SN | Name                         | Designation               | Signature          |
|----|------------------------------|---------------------------|--------------------|
| 22 | S.P.S. Rajarathna Sumanayake | Student - 2300            | <i>[Signature]</i> |
| 23 | M.Y.S. Jayasinghe            | Student - 3300            | <i>[Signature]</i> |
| 24 | V.V.P. Mahipala              | Student - 3300            | <i>[Signature]</i> |
| 25 | M.A.S.A. Rajarathna          | Student - 1200            | <i>[Signature]</i> |
| 26 | Prof. E. V. Jayasinghe       | Member - Curriculum       | <i>[Signature]</i> |
| 27 | Ge.Y. Jayasinghe             | Member - Course Work      | <i>[Signature]</i> |
| 28 | Prof. C.V.L. Jayasinghe      | Chairperson - Review Team | <i>[Signature]</i> |
| 29 |                              |                           |                    |
| 30 |                              |                           |                    |
| 31 |                              |                           |                    |
| 32 |                              |                           |                    |
| 33 |                              |                           |                    |

**ATTENDANCE SHEET**  
**PROGRAM REVIEW- B. Sc. DEGREE IN ANIMAL SCIENCE & FISHERIES**

Meeting with Staff from Physical Education Dept., Director  
 Accommodating Library, ICT Centre, ELTU Staff, University Health Centre,  
 9.00 a.m - 11.30 a.m.

Date: 2020.02.19

| S/N | Name                     | Designation                    | Signature |
|-----|--------------------------|--------------------------------|-----------|
| 1   | A. V. Srinivardhan       | Director/Student               |           |
| 2   |                          | Accommodating Librarian        |           |
| 3   | R. Mahalingam            | Ach. Librarian                 |           |
| 4   | S. P. D. Ganapala        | Senior staff Asst.             |           |
| 5   | N. W. Nandani Mahalingam | Experienced Librarian          |           |
| 6   | H. M. N. Bhandari        | Library Information Specialist |           |
| 7   | E. A. Nandani            | Library Attendant              |           |
| 8   | Ramesh David             | Instructor in English          |           |
| 9   | P. H. Jayarama           | Coordinator / English          |           |
| 10  | H. K. S. Channarayana    | Instructor in Phys. Education  |           |
| 11  | K. W. L. N. Sathya       | Instructor in Phys. Education  |           |

|    |                               |                         |  |
|----|-------------------------------|-------------------------|--|
| 12 | J. K. Vidanaratchchi          | Warden / Jayanthi Laloo |  |
| 13 | G. Y. Jayarama                | Member / Pervasi Laloo  |  |
| 14 | M. S. Rajagopalakrishnan      | Member / Rajan Laloo    |  |
| 15 | Prof. C. V. Jayarama          | Chair / Rajan Laloo     |  |
| 16 | Dr. P. M. S. Sankaranarayanan | Chm. Uthara Laloo       |  |
| 17 |                               |                         |  |
| 18 |                               |                         |  |
| 19 |                               |                         |  |
| 20 |                               |                         |  |

16

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

Meeting with Alumni Members

Date: 2020.02.19

Time: 11:30 a.m. - 12:30 p.m.

Venue: Board Room/Dept. of Animal Science

| S/N | Name                      | Designation                                       | Signature          |
|-----|---------------------------|---|--------------------|
| 1.  | D.S.D.D.S. Wickramanayake | Lecturer (Temporary)                              | <i>[Signature]</i> |
| 2.  | G.S. Madanalla            | Perinova (pvt) Ltd<br>Technical Sales Executive   | <i>[Signature]</i> |
| 3.  | H.A.L.S. Wickramaarachchi | Assistant Director of Education                   | <i>[Signature]</i> |
| 4.  | Sachintha Zoya            | Quality Executive in CMC Ltd                      | <i>[Signature]</i> |
| 5.  | C.L. Weerathunga          | Production Executive,<br>Nandalk Foods (Pvt) Ltd. | <i>[Signature]</i> |
| 6.  | E.M.L.B. Edinwzha         | CMC Engineering Expert G/H                        | <i>[Signature]</i> |
| 7.  | Vidunith Mulasinghe       | QA & Technical Manager<br>JH Foodmilla (Pvt) Ltd. | <i>[Signature]</i> |
| 8.  | H.A.S.R. Senanayaka       | Teacher<br>(Livestock production studies)         | <i>[Signature]</i> |
| 9.  | Prof. Jayasinghe          | <i>[Signature]</i>                                | <i>[Signature]</i> |

| S/N | Name                  | Designation          | Signature          |
|-----|-----------------------|----------------------|--------------------|
| 10. | Prof. P. Jayasinghe   | Member - Review team | <i>[Signature]</i> |
| 11. | Prof. C.V. Jayasinghe | Chair / review team  | <i>[Signature]</i> |
| 12. |                       |                      |                    |
| 13. |                       |                      |                    |
| 14. |                       |                      |                    |
| 15. |                       |                      |                    |
| 16. |                       |                      |                    |
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| 21. |                       |                      |                    |

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

Farm Visit

Date: 2020.02.19

Time: 1.30 - 2.45 p.m.

Venue: Mawela Farm  
Dept. of Animal Science

| S/N | Name   | Designation | Signature |
|-----|--|-------------|-----------|
| 1.  | Observed following farm units & practicals conducted for ASF undergraduate students. |             |           |
| 2.  | - Dairy cattle unit - Housing practical, Bio-gas unit.                               |             |           |
| 3.  | - Incubator unit - Testing egg quality practical / Poultry unit.                     |             |           |
| 4.  | - Swine unit - Farm records & handling breeding stocks                               |             |           |
| 5.  | - Dairy Processing plant.  |             |           |
| 6.  |  |             |           |
| 7.  |  |             |           |
| 8.  |  |             |           |
| 9.  |  |             |           |

All reviewers and F&AC/co-ordinators visited the above facilities.

  
 Chair / Review team  
 19/02/2020

  
 J. J. J.  
 19/02/2020

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

19

*Visit of Sport Center, Medical Centre, Canteens, Student's Complex, Library, ICT Centre, English Department*

Date: 2020.02.19

Time: ...2.40 p.m. ... 4.30 p.m. , Venue: .....

| S/N | Name  | Designation | Signature |
|-----|---|-------------|-----------|
| 1.  | Visited & observed following facilities:                      |             |           |
| 2.  | ⊕ Staff Development Centre - SDC - University of Peradeniya   |             |           |
| 3.  | Discussed matters with Prof. Ranjith Pallegama, Director, SDC |             |           |
| 4.  | ⊕ University Health Centre; Meeting with Dr. Samarakody       |             |           |
| 5.  | Chief Medical Officer   |             |           |
| 6.  | ⊕ Sports facilities; Gymnasium, playgrounds                   |             |           |
| 7.  | ⊕ Hostel facilities & Canteens; Wijewardhana Hall             |             |           |
| 8.  | ⊕ Examination Unit, Faculty of Agriculture                    |             |           |
| 9.  | ⊕ ELTU, Faculty of Agriculture                                |             |           |

- ⊕ Faculty Quality Assurance Cell, (FQAC), FA
- ⊕ Dean's Office.

*Chair / Reviewer team*  
19/02/2020  
*Chair*  
19/02/20

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES

20

*Meeting with Any other people concerned - Gender Unit Coordinator  
Gender Education & Women's  
Initiative Unit*

Date: 2020.02.19

Time: ...5.10 p.m. ... 5.40 p.m. Venue: Board Room/Dept. of Animal Science

| S/N | Name                | Designation   | Signature          |
|-----|---------------------|---|--------------------|
| 1.  | R. M. S. Wijerathna | Gender education & Women's education<br>Coordinator - Gender Unit | <i>[Signature]</i> |
| 2.  | Prof CVL Jayasinghe | Chair / Reviewer team   | <i>[Signature]</i> |
| 3.  | Prof. R. Jayasinghe | member / Reviewer team  | <i>[Signature]</i> |
| 4.  |                     |   |                    |
| 5.  |                     |   |                    |
| 6.  |                     |   |                    |
| 7.  |                     |   |                    |
| 8.  |                     |   |                    |
| 9.  |                     |   |                    |

Attendance of wrap-up session

ATTENDANCE SHEET  
PROGRAM REVIEW - BSc DEGREE IN ANIMAL SCIENCE & FISHERIES  
Closing Meeting for Debriefing

Date: 2020.02.20      Time: 12:00 noon -      Venue: Board Room/Dept. of Animal Science

| S/N | Name               | Designation            | Signature |
|-----|--------------------|------------------------|-----------|
| 1.  | Polykumar SKNS     | Dean / Agriculture     |           |
| 2.  | Deshapriya RUC     | HOD / Animal Science   |           |
| 3.  | Rajitha Pallegama  | Director / ISAU        |           |
| 4.  | A.R.S.B. Armand    | Mr. Lecturer / DoAS    |           |
| 5.  | PHP Prasanna       | Senior Lecturer / DoAS |           |
| 6.  | N.M.M.P. Herigalla | Lecturer (DoAS)        |           |
| 7.  | Vivaji Jayaweera   | Lecturer (Prob)        |           |
| 8.  | S.M.C. Himali      | Senior Lecturer        |           |
| 9.  | T.S. Somaratne     | Senior Lecturer        |           |

| S/N | Name                     | Designation                       | Signature |
|-----|--------------------------|-----------------------------------|-----------|
| 10. | MFB Wijayagunawardene    | Senior Professor                  |           |
| 11. | J.K. Vidanarachchi       | Professor / Coordinator, FGAC, FA |           |
| 12. | S.P. Kodithuwakke        | Senior Lecturer / SSB (OSSE)      |           |
| 13. | K.M.S. Wimalasiri        | Associate Professor / DFST        |           |
| 14. | Pradeepa Sitr            | Professor                         |           |
| 15. | Sarath Kodituwakke       | Senior Professor                  |           |
| 16. | Barana Jayawardene       | Professor                         |           |
| 17. | Vijji Bandula Wannaratne | Lecturer (Probationary)           |           |
| 18. | Sandaru Rathnayake       | Lecturer (Prob.)                  |           |
| 19. | E.R.J. Samarasinghe      | Lecturer (Prob.)                  |           |
| 20. | Pradeepa Koralechchery   | Senior Lecturer                   |           |
| 21. | Prasad Alahakoon         | Lecturer                          |           |

| S/N | Name                         | Designation     | Signature |
|-----|------------------------------|-----------------|-----------|
| 22. | R.M.S. Wijenthana            | Senior Lecturer |           |
| 23. | Uvasum Dissanayake           | Sr. Lecturer    |           |
| 24. | Chandana Jayawardene         | "               |           |
| 25. | B. Maruwanke                 | Sen. Lectur     |           |
| 26. | R.S. Pharamakethi            | Sen. Lectur     |           |
| 27. | Kuman Mahipala MBP           | Sen.: Lectur    |           |
| 28. | Samaratha Dissanayake        | "               |           |
| 29. | TERRENCE MADHUSITTA TERRENCE | PROFESSOR       |           |
| 30. | Mojitha Arinayake            | Sen. Lecturer   |           |
| 31. |                              |                 |           |
| 32. |                              |                 |           |
| 33. |                              |                 |           |

*Appendix 4: Pictures of Site Visit*

*Day 1 - 17th of Feb 2020*



*Meeting with Vice Chancellor*



*Document observation by reviewers- Prof CVL Jayasinghe, Prof R Yogendraraja, and Prof GY Jayasinghe*



*Meeting with Dean, HOD/DoAS and academic staff members of the FoA*