

(AUTONOMOUS)

( Affiliated to Periyar University, Approved by AICTE, Re-accredited with 'A' Grade by NAAC, Recognized u/s 2(f), 12(B) UGC act of 1956)

Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

#### 3.4.1.1. CODE OF ETHICS IN RESEARCH

Every research investigator of the college has a responsibility to foster an environment that promotes intellectual truthfulness and integrity. The researcher should refuse to accept from indulging in activities that violate the copyrighted materials which would amount to misdemeanors in any aspect of research. The Research misconduct may mean and inclusive of any behavior of the researcher that borders conflicts of concern, invention, misrepresentation, plagiarism in proposing, performing, or reviewing research, or in reporting research results. Research contravention does not include honest differences in interpretations or judgments of data.

The College shall take critically all incidents of research misconduct, and shall guarantee that the procedures for the inquiry, investigation and intercession of any misconduct are just for all parties involved. Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode, not only views research misconduct as extremely troubling but also views the same as a menace to the basic principles of research and the ethical values the College strives to maintain and promote.

Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode, undertakes to comply with the provisions formulated by the UGC in its Draft Policy Note No. F. 1-18/2010 (CPP-II) dated 01.09.2017 - UGC Regulations (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Education Institutions) – 2017.



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## **3.4.1.1.** The Institution ensures implementation of its stated Code of Ethics for Research.





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Elayampalayam - 637 205, Tiruchengode, Namakkal Dt., Tamil Nadu.

Purpose : Research and Innovation Code of Ethics

Category : Research and Innovation

Approved by : IQAC

Approval date : 08-01-2020

Effective date : 08-01-2020

Next review date :

Policy administrator : Research and Development Cell

Version : 1.0



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#### Standard Operating Procedure (SOP) — Research and Innovation Code of

#### **Ethics Objective:**

Through policy and practice, Vivekanandha College of Arts and Sciences for Women is devoted to the highest standards of research and innovation behaviour. Academic institutions place a high value on research and innovation. This policy ensures that research and innovation is undertaken in a safe, ethical, and transparent manner, and that laboratory records are kept up to date. This guideline explains how research can help to foster innovation in a way that is inclusive, healthy, and long-term. Ensures that ethical issues that underpin community and societal norms are taken into account throughout the conduct of research in order to provide value.

#### **Introduction:**

- ➤ The Vivekanandha College of Arts and Sciences for Women (VICAS) supports research in all sectors of science and academia. While different disciplines may take different techniques, they all have the same goal in mind: to learn more about ourselves. The institution's objective is to foster academic research excellence in order to develop global competency.
- ➤ VICAS upholds traditional academic freedom ideals and recognises that members of the college's academic and research personnel. Whether working collectively or individually, shall have the freedom to challenge and test conventional wisdom, to propose new ideas, and to express controversial or unpopular beliefs, all within the bounds of the law.
- ➤ VICAS is committed to ensuring that every research conducted under its auspices adheres to the highest ethical standards while also taking the law and the public interest into account.
- ➤ This code highlights the challenges that arise when conducting research properly and provides information on the standards that should be followed.
- ➤ VICAS is dedicated to maintaining the highest levels of integrity in all parts of our research, based on fundamental principles of good research practice that all researchers and research departments must adhere to.



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The following are expected from the researcher's

- o **Reliability** in assuring research quality, as evidenced by the design, technique, analysis, and resource allocation.
- Honesty in the development, execution, review, reporting, and communication of research in a transparent, fair, comprehensive, and unbiased manner.
- Respect for coworkers, participants in research, society, ecosystems, cultural heritage, and the environment.
- Accountability for the research from conception to publication, as well as its management and organisation, as well as training, supervision, and mentorship, as well as its overall impact.
- Data fabrication, falsification, and plagiarism are examples of research misconduct. Because they falsify the study record, these types of violations are deemed very significant.
- Researchers expand their expertise, collaborate more, work across disciplines, and participate in research and innovation.
- Individuals can expand their skills and inventiveness through VICAS, which helps to increase employability and keep essential employees in the workforce.
- VICAS promotes the publication and dissemination of high-quality research findings. It also expects researchers to follow the proper procedures for publishing and disseminating their research findings, as well as to be cognizant of the ramifications of such dissemination in the public domain. The outcome should be presented in a way that is appropriate for the academic subject.
- All persons designated as authors must accept responsibility for the contents
  of their article and be able to identify their contribution to it, according to the
  institute.



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#### Code of Research & Innovation Ethics:

- The Research Ethical Committee (REC) brings together research community faculty and researchers to discuss research ethics policies that should be observed on campus.
- The REC will be a part of the Research Advisory Committee (RAC), which will assess the research activities of VICAS faculty and students.
- In all research activity done by staff and students, the REC oversees and maintains high standards of ethics, honesty, and professionalism. Lab notebooks are kept with dates on them so that they can be checked when publishing publications or filing patents.
- The REC keeps track of all study participants and advises that they be included as authors when the work is published.
- The committee encourages academics and students interested in research initiatives to take the required precautions. Everyone in VICAS who works in the lab is taught about lab safety.
- The committee acts as a platform for VICAS researchers to debate research ethics problems and implementation.
- Regarding plagiarism and malpractice in research operations, the committee adheres to Periyar University and UGC norms.
- Only after a plagiarism check by Periyar University, Salem, does the REC authorise a scholar's (M. Phil / Ph.D) Dissertation / Thesis submission.
- Regarding paper publications, REC advises all students, scholars, and professors to use the college library's plagiarism checker before submitting their work.
- In the design, conduct, and reporting of a research proposal, the REC will guarantee that all of the core principles of research and innovation ethics, such as autonomy, beneficence, non-malfeasance, and fairness, are taken into account.
- REC ensures the quality and consistency of research proposals by reviewing them in accordance with national ethical requirements, especially for biomedical research involving human participants.



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#### Procedures for Investigation of Research Misconduct:

Any anyone may file a complaint regarding academic misconduct with the Principal, without regard to the researcher's right and obligation to discuss and examine allegations of plagiarism as part of the usual assessment of a paper provided by a scholar. Such complaints must be backed up with solid evidence. The Principal will determine if the claim is serious enough to warrant a research committee investigation.

#### Standard Operating Procedure (SOP) for VICAS Research Ethics Committee

Composition of Research Ethics Committee (REC):

To strengthen the research activities, RECs planned as multidisciplinary and multisectoral in composition.

The Composition may be as follows:

Principal - Research Ethics Head Dean,

Research & Development - Research Ethics Member

Management Member - Research Ethics Member

Faculty member - Research Ethics - Bioscience

Faculty member - Research Ethics - Physical Science

Faculty member - Research Ethics - Computer Science

Faculty member - Research Ethics - Commerce

Faculty member - Research Ethics - Arts

#### Objective of the Research Ethics Committee (REC):

- The research ethics committee brings together research community faculty and scholars to discuss research ethical policies that should be observed on campus.
- The REC will be a member of the VICAS Research Advisory Committee (RAC), which will oversee the research activities of VICAS academics and students.
- In all of the research work done by staff and students, the REC oversees and maintains high standards of ethics, honesty, and professionalism.
- The committee encourages academics and students interested in research



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initiatives to take the required precautions.

- The committee acts as a platform for VICAS researchers to debate research ethics problems and implementation.
- Regarding plagiarism and malpractice in research operations, the committee adheres to Periyar University and UGC norms.
- Only after a plagiarism check by Periyar University, Salem, does the REC authorise a scholar's (M.Phil / Ph.D) Dissertation / Thesis submission.
- Regarding paper publications, REC advises all students, scholars, and professors to use the college library's plagiarism checker before submitting their work.
- In the design, conduct, and reporting of a research proposal, the REC will guarantee that all of the core principles of research ethics, such as autonomy, beneficence, non-malfeasance, and fairness, are respected.
- REC ensures the quality and consistency of research proposals by reviewing them in accordance with national ethical requirements, especially for biomedical research involving human participants.

#### COLLEGE OF ARTS AND SCIENCES FOR WOMEN (AUTONOMOUS)

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### MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC)



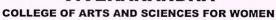
#### DEPARTMENT OF ZOOLOGY

Date: 03.10.2020

ACADEMIC YEAR: 2020-2021

VIVEKANANDHA COLLEGE OF ARTS AN PRINCIPAL SCIENCES POR WOMEN (Autonomous) ELAYAMPALAYAM - 637 205 TIRUCHENGODE TK, NAMAKKAL DT

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#### MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC):

The Dissection monitoring Committee meeting of the Department of Zoology was held on 03.10.2020 through Online Mode. at 3.00 pm. (https://meet.google.com/zdq-pwnfuvz)

#### Members:

| Sl. No. | Name of the Member                | Designation                           | Address  |
|---------|-----------------------------------|---------------------------------------|--|
| 1       | Dr. C. Elaiyaraja                 | Chairman<br>&<br>Head                 | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam. |
| 2       | Dr. Clara Gunapoorani<br>Sargunar | External Member & Associate Professor | Department of Zoology, Govt.<br>Arts College, Coimbatore.  |
| 3       | Dr. M. Kannan                     | Member & Assistant Professor          | Department of Botany,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam.  |
| 4       | Dr. S. Raja                       | Internal Member & Assistant Professor | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam. |
| 5       | Dr. G. Satheeshkumar              | Internal Member & Assistant Professor | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam. |

As per the decisions taken by the Dissection Monitoring Committee (DMC) of Department of Zoology, Vivekanandha College of Arts and Sciences for Women (Autonomous), Reviewed the current syllabi (2020-2021) of UG and PG Zoology and has been restructured by the following mode for reducing the animal dissections:

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#### **B.Sc., Zoology Practicals:**

SEMESTER: I (INVERTEBRATA - 20U1ZOCP01)

SEMESTER: II (CHORDATA - 20U2ZOCP02)

 In that we have demonstrated the major dissection parts like Cockroach - Nervous system and Digestive system; Frog - Digestive system and Circulatory system are carried by demonstration using of the voucher specimen

 In Minor practicals also the mouth parts of cockroach demonstrated to the students with the help of permanent slides; Frog – Brain mounting has discussed with the students and earthworm body setae by voucher specimen for minimizing the animal dissection

• We have changed many spotters in the previous year syllabus

**SEMESTER:** I (ALLIED ZOOLOGY I - 20U1ZOAP01)

SEMESTER: II (ALLIED ZOOLOGY II - 20U2ZOAP02)

 In that we have demonstrated the major dissection parts like Cockroach Nervous system & Digestive system and Frog Digestive system & Circulatory system are carried by demonstration using of the voucher specimen

 In Minor practicals, the mouth parts of mosquito and honey bee demonstrated to the students with the help of permanent slides; Prawn Appendages by using of diagrammatic mode only and Frog – Brain mounting also discussed with the students by diagrammatic mode for reducing the animal dissection

We have changed many spotters in the previous year syllabus

SEMESTER: III (CELL BIOLOGY - 20U3ZOCP03)

SEMESTER: IV (GENETICS - 20U4ZOCP04)

• As per the University ethics, there is no changes can be done in the present II – B.Sc Zoology due to no animal dissection using their practicals

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SEMESTER: III

PRACTICAL: III

SUBJECT: GENERAL AND APPLIED ENTOMOLOGY, ENVIRONMENTAL BIOLOGY

AND ANIMAL BIOTECHNOLOGY

SUB. CODE: (20U6ZOCP03)

As per the University Ethics, there is no changes can be done in the present II-M.ScZoology due to no animal dissection using their practicals.

#### Members:

Dr. C. Elaiyaraja

Dr. Clara Gunapoorani Sargunar

Dr. M. Kannan

Dr. S.Raja

Dr. G. Satheeshkumar

- Oars R.S. - M. Lannar

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# MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC)



DEPARTMENT OF ZOOLOGY

Date: 11.06.2019

ACADEMIC YEAR: 2019-2020

PRINCIPAL
VIVEKANANDHA COLLEGE OF ARTS AN
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ELAYAMPALAYAM - 637 205
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VIVEKANANDHA
EDUCATIONAL INSTITUTIONS

#### MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC):

The Dissection monitoring Committee meeting of the Department of Zoology was held on 11.06.2019 at 2.00 pm in the Boardroom of Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam.

#### Members:

| Sl. No. | Name of the Member   | Designation                           | Address   |
|---------|----------------------|---------------------------------------|---|
| 1       | Dr. C. Elaiyaraja    | Chairman<br>&<br>Head                 | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam.      |
| 2       | Dr. P.S. Arunadevi   | External Member & Assistant Professor | Department of Zoology,<br>Sri Vasavi College, Erode.  |
| 3       | Dr. R. Anburaj       | Member & Associate Professor          | Department of Microbiology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam. |
| 4       | Dr. D. Vasanthakumar | Internal Member & Assistant Professor | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam.      |
| 5       | Dr. G. Satheeshkumar | Internal Member & Assistant Professor | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam.      |

As per the decisions taken by the Dissection Monitoring Committee (DMC) of Department of Zoology, Vivekanandha College of Arts and Sciences for Women (Autonomous), Reviewed the current syllabi (2019-2020) of UG and PG Zoology and has been restructured by the following mode for reducing the animal dissections:

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- In UG practicals from Semester I to VI, there were no more changes in the practical syllabus. We have continued to follow the last year pattern for this year also.
- As per the University Ethics, there was more no changes can be done in PG Practicals also, due to no animal dissection using their practicals.
- We have changed many spotters and portions in the syllabus

#### Members:

Dr. C. Elaiyaraja

Dr. P.S. Arunadevi

Dr. R. Anburaj

Dr. D. Vasanthakumar -

Dr. G. Satheeshkumar

- P. S. Wander

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# MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC)



DEPARTMENT OF ZOOLOGY

Date: 08.06.2018

**ACADEMIC YEAR: 2018-2019** 

VIVEKANANDHA COLLEGE OF ARTS AS SCIENCES POR WOMEN (Autonomous), ELAYAMPALAYAM - 637 205 TIRUCHENGODE TK, NAMAKKAL DT

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#### **COLLEGE OF ARTS AND SCIENCES FOR WOMEN**

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VIVEKANANDHA EDUCATIONAL INSTITUTION

#### MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC):

The Dissection monitoring Committee meeting of the Department of Zoology was held on 08.06.2018 at 2.00 pm in the Boardroom of Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam.

#### Members:

| Sl. No. | Name of the Member    | Designation                           | Address  |
|---------|-----------------------|---------------------------------------|--|
| 1       | Dr. A. Arunachalam    | Chairman<br>&<br>Head                 | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam. |
| 2       | Dr. K. Uma Maheshwari | External Member & Associate Professor | PG & Research Department of Zoology, Periyar E.V.R. College, Tiruchirappalli.                                    |
| 3       | Dr. P. Priyadharshini | Member & Assistant Professor          | Department of Botany,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam.  |
| 4       | Dr. D. Vasanthakumar  | Internal Member & Assistant Professor | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam. |
| 5       | Dr. G. Satheeshkumar  | Internal Member & Assistant Professor | Department of Zoology,<br>Vivekanandha College of Arts<br>and Sciences for Women<br>(Autonomous), Elayampalayam. |

As per the decisions taken by the Dissection Monitoring Committee (DMC) of Department of Zoology, Vivekanandha College of Arts and Sciences for Women (Autonomous), Reviewed the current syllabi (2018-2019) of UG and PG Zoology and has been restructured by the following mode for reducing the animal dissections:

> PRINCIPAL VIVEKANANDHA COLLEGE OF ARTS AN. SCIENCES FOR WOMEN (Autonomous) ELAYAMPALAYAM - 637 205 TIRUCHENGODE TK. NAMAKKAL DT

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- As per the University Ethics, there was more no changes can be done in PG Practicals also, due to no animal dissection using their practicals.

#### Members:

Dr. A. Arunachalam

Dr. K. Uma Magheswari

- Down Mageormani. - P. R.L.

Dr. P.Priyadharshini

Dr. D. Vasanthakumar

Dr. G. Satheeshkumar

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# MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC)



#### DEPARTMENT OF ZOOLOGY

Date: 20.06.2017

Academic Year: 2017-2018

PRINCIPAL
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**VIVEKANANDHA EDUCATIONAL INSTITUTIONS** 

#### MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC):

The Dissection monitoring Committee meeting of the Department of Zoology was held on 20.06.2017 at 2.00 pm in the Boardroom of Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam.

#### **MEMBERS**

| Sl. No. | Name of the Member   | Designation         | Address                          |
|---------|----------------------|---------------------|----------------------------------|
| 1       | Dr. A. Arunachalam   | Chairman            | Department of Zoology,           |
|         |                      | &                   | Vivekanandha College of Arts     |
|         |                      | Head                | and Sciences for Women           |
|         |                      |                     | (Autonomous), Elayampalayam      |
| 2       | Dr. G. Sharmila Banu | External Member     | Department of Zoology,           |
|         |                      | &                   | Namakkal Kavignar                |
|         |                      | Associate Professor | Ramalingampillai Govt. Arts      |
|         |                      |                     | College for Women, Namakkal.     |
| 3       | Dr. T. Shankar       | Member              | Department of Microbiology,      |
|         |                      | &                   | Vivekanandha College of Arts and |
|         |                      | Assistant Professor | Sciences for Women               |
|         |                      |                     | (Autonomous), Elayampalayam.     |
| 4       | Dr. C. Elaiyaraja    | Internal Member     | Department of Zoology,           |
|         |                      | &                   | Vivekanandha College of Arts     |
|         | *                    | Assistant Professor | and Sciences for Women           |
|         |                      |                     | (Autonomous), Elayampalayam      |
| 5       | Dr. S. Raja          | Internal Member     | Department of Zoology,           |
|         |                      | &                   | Vivekanandha College of Arts     |
|         |                      | Assistant Professor | and Sciences for Women           |
|         | 2                    |                     | (Autonomous), Elayampalayam.     |

As per the decisions taken by the Dissection Monitoring Committee (DMC) of Department of Zoology, Vivekanandha College of Arts and Sciences for Women (Autonomous), Reviewed the current syllabi (2017-2018) of UG and PG Zoology and has been restructured by the following mode for reducing the animal dissections:

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- In, III B.Sc Zoology Semester VI Lab in Animal physiology, Developmental Biology and Microbiology (Paper code - 17U6ZOCP03). In this regards, the demonstration of the chick embryo discussed with students by using of online videos and also we are use voucher specimen to avoid killing of chick embryo
- As per the University Ethics, there is no changes can be done in the present III B.Sc Zoology, Semester (V & VI) Lab in Ecology and Evolution (14U6ZOCP04), we are not using any animal dissection for the practicals

SEMESTER: II

PRACTICAL: II

SUBJECT : DEVELOPMENTAL BIOLOGY, ANIMAL PHYSIOLOGY AND

ADVANCED GENETICS

SUB. CODE: (17U6ZOCP03)

In, I - M.Sc Zoology, semester - II - Lab in Developmental Biology, Animal Physiology and Advanced Genetics (Paper code - 17P2ZOP02). In that, while doing the staining and mounting of chick blastoderm of various stages has been demonstrated by virtual videos and also voucher specimens to reduce the animal dissection.

SEMESTER: III

PRACTICAL: III

SUBJECT : GENERAL AND APPLIED ENTOMOLOGY, ENVIRONMENTAL BIOLOGY

AND ANIMAL BIOTECHNOLOGY

SUB. CODE: (17U6ZOCP03)

As per the University Ethics, there is no changes can be done in the present II - M.Sc Zoology due to no animal dissection using their practicals

#### MEMBERS

Dr. A. Arunachalam

Dr. G. Sharmila Banu

Dr. T. Shankar

Dr. C. Elaiyaraja

Dr. S. Raja

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TIRUCHENGODE TK, NAMAKKAL DT TAMILNADU

### COLLEGE OF ARTS AND SCIENCES FOR WOMEN (AUTONOMOUS)

AN ISO 9001:2008 CERTIFIED INSTITUTION (Affiliated to Periyar University, Re-accredited by NAAC 'A' Grade and Approved by AICTE.)

(Recognized u/s 2F & 12B by UGC)

Elayampalayam, Tiruchengode- 637 205, Namakkal - Dt.



# MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC)



#### DEPARTMENT OF ZOOLOGY

Date: 07.06.2016

Academic Year: 2016-2017

VIVEKANANDHA COLLEGE OF ARTS A.
SCIENCES POR WOMEN (Autonomous)
ELAYAMPALAYAM - 637 205
TIRUCHENGODE TK, NAMAKKAL DT
TAMILNADU



VIVEKANANDHA EDUCATIONAL INSTITUTIONS

#### **COLLEGE OF ARTS AND SCIENCES FOR WOMEN**

[AUTONOMOUS]

An ISO 9001: 2008 Certified Institution
(Affiliated to Periyar University, Approved by AICTE and Re - Accredited with 'A' Grade by NAAC
Recognized under section 2(f) and 12(B) of UGC Act, 1956)

Elayampalayam – 637 205. Tiruchengode, Namakkal Dt.,



#### MINUTES OF MEETINGS FOR THE DISSECTION MONITORING COMMITTEE (DMC):

The Dissection monitoring Committee meeting of the Department of Zoology was held on 07.06.2016 at 2.00 pm in the Boardroom of Vivekanandha College of Arts and Sciences for Women (Autonomous), Elayampalayam.

#### Members:

| Sl. No. | Name of the Member   | Designation                           | Address   |
|---------|----------------------|---------------------------------------|---|
| 1       | Dr. M. Brintha       | Chairman<br>&<br>Head                 | Department of Zoology,<br>Vivekanandha College of Arts and<br>Sciences for Women<br>(Autonomous), Elayampalayam.      |
| 2       | Mr. S. Muthusamy     | External Member & Assistant Professor | Department of Zoology,<br>Kandasamy Kandar's College,<br>P.Velur, Namakkal.   |
| 3       | Mr. L. Ashok Kumar   | Member & Assistant Professor          | Department of Microbiology,<br>Vivekanandha College of Arts and<br>Sciences for Women<br>(Autonomous), Elayampalayam. |
| 4       | Dr. A. Arunachalam   | Internal Member & Assistant Professor | Department of Zoology,<br>Vivekanandha College of Arts and<br>Sciences for Women<br>(Autonomous), Elayampalayam.      |
| 5       | Ms. N. Muthamilarasi | Internal Member & Assistant Professor | Department of Zoology,<br>Vivekanandha College of Arts and<br>Sciences for Women<br>(Autonomous), Elayampalayam.      |

As per the decisions taken by the Dissection Monitoring Committee (DMC) of Department of Zoology, Vivekanandha College of Arts and Sciences for Women (Autonomous), Reviewed the current syllabi (2016-2017) of UG and PG Zoology and has been restructured by the following mode for reducing the animal dissections:

VIVEKANANDHA ÇOLLEGE OF ARTS A SCIENCES FOR WOMEN (Autonomous) ELAYAMPALAYAM - 637 205 TIRUCHENGODE TK. NAMAKKAL DT TAMII NADU SEMESTER: V & VI

**CORE PRACTICAL: III** 

SUBJECT : ANIMAL PHYSIOLOGY, DEVELOPMENTAL BIOLOGY AND MICROBIOLOGY

SUB. CODE: (14U6ZOCP03)

In, III - B.Sc Zoology Semester VI - Lab in Animal physiology, Developmental Biology and Microbiology (Paper code - 14U6ZOCP03). In this regards, the demonstration of the chick embryo discussed with students by using of online videos and also we are use voucher specimen to avoid killing of chick embryo

As per the University Ethics, there is no changes can be done in the present III - B.Sc Zoology, Semester (V & VI) Lab in Ecology and Evolution (14U6ZOCP04), we are not using any animal dissection for the practicals

#### M.Sc., Zoology Practicals:

SEMESTER: II

PRACTICAL: II

SUBJECT : DEVELOPMENTAL BIOLOGY, ANIMAL PHYSIOLOGY AND

ADVANCED GENETICS

**SUB. CODE:** (14P2ZOP02)

In, I - M.Sc., Zoology, semester - II - Lab in Developmental Biology, Animal Physiology and Advanced Genetics (Paper code - 14P2ZOP02). In that, while doing the staining and mounting of chick blastoderm of various stages has been demonstrated by virtual videos and also voucher specimens to reduce the animal dissection.

SEMESTER: III

PRACTICAL: III

**SUBJECT** : GENERAL AND APPLIED ENTOMOLOGY, ENVIRONMENTAL BIOLOGY

AND ANIMAL BIOTECHNOLOGY

SUB. CODE: (14P3ZOP03)

As per the University Ethics, there is no changes can be done in the present II - M.Sc., Zoology due to no animal dissection using their practicals.

#### Members:

Dr. M. Brintha

Mr. S. Muthusamy

Mr. L. Ashok Kumar

Dr. A. Arunachalam

Ms. N. Muthamilarasi

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