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**PACHHUNGA UNIVERSITY COLLEGE**  
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Aizawl 796001 Mizoram, India

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✉ [zoology@pucollege.edu.in](mailto:zoology@pucollege.edu.in)

6 April 2020

**COMPLETION CERTIFICATE**

It is hereby declared that the minor research project entitled “Isolation and identification of bacteria and determination of their antibiotic sensitivity” is a record of the work done by Zomuanpuia, Roll No. 1701BS031, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

Dr KAUSHALENDRA

Supervisor

Dr LALRAMLIANA

Supervisor

Dr K. LALCHHANDAMA

Head



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6 April 2020

**COMPLETION CERTIFICATE**

It is hereby declared that the minor research project entitled “Screening of *Callicarpa arborea* and *Hemigraphis alternata* for antibacterial activity” is a record of the work done by H. Hulihanthanga, Roll No. 1701BS239, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

Dr K. LALHMINGHLUI

Supervisor

P. B. LALTHANPUI

Supervisor

Dr K. LALCHHANDAMA

Supervisor & Head



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**COMPLETION CERTIFICATE**

It is hereby declared that the minor research project entitled “Isolation and identification of bacteria and determination of their antibiotic sensitivity” is a record of the work done by Lalrinawma Hnamte, Roll No. 1701BS240, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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**COMPLETION CERTIFICATE**

It is hereby declared that the minor research project entitled “Partial genome sequence of some wasps consumed for food by the Mizos” is a record of the work done by Laltlanhlua Pachuau, Roll No. 1701BS241, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

Dr B. LALRUATFELA

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It is hereby declared that the minor research project entitled “Study of soil macrofauna” is a record of the work done by V. L. Hruaizela, Roll No. 1701BS243, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

Dr BETSY ZODINPUII

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Dr H. LALTHANZARA

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**COMPLETION CERTIFICATE**

It is hereby declared that the minor research project entitled “Study of soil macrofauna” is a record of the work done by C. Lalhmingmawii, Roll No. 1701BS244, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Isolation and identification of bacteria and determination of their antibiotic sensitivity” is a record of the work done by Habung Elsa, Roll No. 1701BS245, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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**COMPLETION CERTIFICATE**

It is hereby declared that the minor research project entitled “Screening of *Callicarpa arborea* and *Hemigraphis alternata* for antibacterial activity” is a record of the work done by Jenny Lalhriatzuali, Roll No. 1701BS246, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Partial genome sequence of some wasps consumed for food by the Mizos” is a record of the work done by J. H. Zorinpuii, Roll No. 1701BS247, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Isolation and identification of bacteria and determination of their antibiotic sensitivity” is a record of the work done by Jorgina Lalrinawmi, Roll No. 1701BS248, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Screening of *Callicarpa arborea* and *Hemigraphis alternata* for antibacterial activity” is a record of the work done by Laithangliani, Roll No. 1701BS249, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Study of soil macrofauna” is a record of the work done by Lalhriatkimi Rokhum, Roll No. 1701BS250, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Partial genome sequence of some wasps consumed for food by the Mizos” is a record of the work done by Lalhruaitluangi, Roll No. 1701BS251, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Screening of *Callicarpa arborea* and *Hemigraphis alternata* for antibacterial activity” is a record of the work done by Lalrinpuii Hauhnar, Roll No. 1701BS253, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

Dr K. LALHMINGHLUI

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It is hereby declared that the minor research project entitled “Study of soil macrofauna” is a record of the work done by Lalrinpuii Sailo, Roll No. 1701BS254, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

Dr BETSY ZODINPUII

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**COMPLETION CERTIFICATE**

It is hereby declared that the minor research project entitled “Partial genome sequence of some wasps consumed for food by the Mizos” is a record of the work done by Malsawmdangkimi, Roll No. 1701BS255, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Partial genome sequence of some wasps consumed for food by the Mizos” is a record of the work done by Naoimi, Roll No. 1701BS256, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Study of soil macrofauna” is a record of the work done by Neihhlupuii Thomte, Roll No. 1701BS257, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Partial genome sequence of some wasps consumed for food by the Mizos” is a record of the work done by R. Vanlalawmpuii, Roll No. 1701BS260, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Study of soil macrofauna” is a record of the work done by R. Vanlalhruaii, Roll No. 1701BS261, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Screening of *Callicarpa arborea* and *Hemigraphis alternata* for antibacterial activity” is a record of the work done by R. L. Malsawmdawngkimi, Roll No. 1701BS262, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Isolation and identification of bacteria and determination of their antibiotic sensitivity” is a record of the work done by Rowland Lalnunpuii, Roll No. 1701BS263, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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It is hereby declared that the minor research project entitled “Screening of *Callicarpa arborea* and *Hemigraphis alternata* for antibacterial activity” is a record of the work done by Sushmita Roy, Roll No. 1701BS264, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

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Supervisor & Head



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**PACHHUNGA UNIVERSITY COLLEGE**  
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6 April 2020

**COMPLETION CERTIFICATE**

It is hereby declared that the minor research project entitled “Partial genome sequence of some wasps consumed for food by the Mizos” is a record of the work done by Annie Malsawmkimi, Roll No. 1701BS268, VI Semester, Bachelor of Science, Department of Zoology, Pachhunga University College under DBT Star College Scheme and has not formed the basis for the award of any degree, associateship, or other similar title and that the project represents the work on part of the supervisors assigned duly to his/her name.

Dr B. LALRUATFELA

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Dr VANRAMLIANA

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