

Ph – (0389) 2315212/2322257/2327095

Fax No – (0389) 2315212



PACHHUNGA UNIVERSITY COLLEGE
(CONSTITUENT COLLEGE OF MIZORAM UNIVERSITY)
AIZAWL - 796001: MIZORAM

Dated, Aizawl 25th May, 2020

C E R T I F I C A T E

(Student's Project Under DBT Star College Scheme)

This is to certify that **Ngurthankhuma Sailo, 6th Semester** has carried out a research-based student's project entitled '*Assessment of Heavy Metal Contamination in Road-Side Sediments within Aizawl South Area*' in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

Head of Department

(Dr. THANMINGLIANA)

Supervisor

(Dr. K. VANLALDINPUA)

DBT Star College Scheme i/c

Place: Aizawl

Date: 25th May, 2020

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C E R T I F I C A T E

(Student's Project Under DBT Star College Scheme)

This is to certify that **Hmangaih Johana, 6th Semester** has carried out a research-based student's project entitled '*Assessment of Heavy Metal Contamination in Road-Side Sediments within Aizawl South Area*' in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

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(Student's Project Under DBT Star College Scheme)

This is to certify that **Jacob T. Zodinpuia, 6th Semester** has carried out a research-based student's project entitled '*Assessment of the Phytoremediation Efficiency of Plants for Toxic Heavy Metals*' in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

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(Dr. THANHMINGLIANA)

Supervisor

(Dr. K. VANLALDINPUIA)

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(Student's Project Under DBT Star College Scheme)

This is to certify that **Dalsiankual, 6th Semester** has carried out a research-based student's project entitled '*Assessment of the Phytoremediation Efficiency of Plants for Toxic Heavy Metals*' in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

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Supervisor

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(Student's Project Under DBT Star College Scheme)

This is to certify that **Hannah Lalnunfeli, 6th Semester** has carried out a research-based student's project entitled *Assessment of the total, soluble and insoluble oxalate contents of traditional Mizo foods (vegetables)* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

Head of Department

(Dr. C. LALHRIATPUIA)

Supervisor

(Dr. K. VANLALDINPUIA)

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C E R T I F I C A T E

(Student's Project Under DBT Star College Scheme)

This is to certify that **Ashish Joshi, 6th Semester** has carried out a research-based student's project entitled *Conversion of Food waste to Compost using IMO* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

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(Dr. C. LALHRIATPUIA)

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C E R T I F I C A T E

(Student's Project Under DBT Star College Scheme)

This is to certify that **Lalpekhlu, 6th Semester** has carried out a research-based student's project entitled *Conversion of Food waste to Compost using IMO* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

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(Dr. C. LALHRIATPUIA)

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This is to certify that **T.H Ramengmawia, 6th Semester** has carried out a research-based student's project entitled *Conversion of Food waste to Compost using IMO* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

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(Student's Project Under DBT Star College Scheme)

This is to certify that **Rebek Lalhruaitluangi, 6th Semester** has carried out a research-based student's project entitled *Compost as adsorbent in the removal of organic dye* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

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(Dr. C. LALHRIATPUIA)

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(Student's Project Under DBT Star College Scheme)

This is to certify that **Samuel Vanlalmachhuana, 6th Semester** has carried out a research-based student's project entitled *Compost as adsorbent in the removal of organic dye* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

Head of Department

(Dr. C. LALHRIATPUIA)

Supervisor

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C E R T I F I C A T E

(Student's Project Under DBT Star College Scheme)

This is to certify that **C. Lalramthara, 6th Semester** has carried out a research-based student's project entitled *Preparation of Orange Peel Ash Magnetic nanoparticle* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

Head of Department

(Dr. K. VANLALDINPUIA)

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(Student's Project Under DBT Star College Scheme)

This is to certify that **Lalremtuangi Sailo, 6th Semester** has carried out a research-based student's project entitled *Preparation of Orange Peel Ash Magnetic nanoparticle* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

Head of Department

Place: Aizawl

Date: 25th May, 2020

(Dr. K. VANLALDINPUIA)

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(Student's Project Under DBT Star College Scheme)

This is to certify that **Hmangaihhuah Ralte, 6th Semester** has carried out a research-based student's project entitled *Aldol reaction using orange peel ash magnetic nanoparticle as a catalyst* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

Head of Department

Place: Aizawl

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This is to certify that **Zoramthara, 6th Semester** has carried out a research-based student's project entitled *Aldol reaction using orange peel ash magnetic nanoparticle as a catalyst* in the Department of Chemistry, Pachhunga University College during the academic session 2019-2020. The project was funded by DBT Star College Scheme and his/her performance was found satisfactory and we wish him/her the best for his/her future endeavor.

(Dr GRACE SKARIAH)

Head of Department

Place: Aizawl

Date: 25th May, 2020

(Dr. K. VANLALDINPUIA)

Supervisor, and

DBT Star College Scheme i/c