UNIVERSITY OF PENNSYLVANIA
SCHOOL OF ENGINEERING AND APPLIED SCIENCE (SEAS)

(NSF) NATIONAL SCIENCE FOUNDATION ~
PHILADELPHIA LSAMP/ GREATER PHILADELPHIA REGION

LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION
SUMMER UNDERGRADUATE RESEARCH PROGRAM

SUMMER 2020
19 MAY ~ 24 JULY 2020

NAME: ________________________________ DATE: ______________
ADDRESS: ___________________________________________
PHONE: ___________________ EMAIL: _____________________________
MAJOR: ___________________________ SCHOOL: __________________
PROPOSED TOPIC: __________________________________________
FACULTY ADVISOR: ___________________________________________
ADVISOR’S DEPARTMENT AND SCHOOL: _________________________
SITE OF RESEARCH FACILITY: ________________________________

FACULTY RESEARCH ADVISOR’S APPROVAL

I agree to supervise the student listed above for the National Science Foundation/Philadelphia LSAMP 2020 Summer Undergraduate Research Program in the School of Engineering and Applied Science at the University of Pennsylvania ~ designated on this form and described in the attached proposal letter of intent and proposed schedule. I understand that the funding for this research is intended to defray the cost of the student’s living expenses and limited research expenses.

_I also understand that the student will be required to submit a poster presentation and a written report of the findings of this effort at the end of the designated period and at the upcoming annual LSAMP fall 2020 symposium._

Signature: __________________________ Date: _____________________
Please include the following with your application:

- A one-page prospectus/proposal describing the background of the proposed topic, the main thesis or hypothesis to be investigated and the method(s).
- A timetable outlining the proposed schedule of the work for the 10-week period.
- A letter of recommendation from a faculty member and a current resume.
- Must be a U.S. Citizen or Permanent Resident.
- Application deadline is Friday, February 21, 2020
- Notification beginning March 6, 2020

RETURN TO:

Yulanda Essoka, Associate Director, NSF/PHILADELPHIA LSAMP
University of Pennsylvania, School of Engineering and Applied Science
125 Towne Bldg., Philadelphia, PA 19104-6391
(215) 898-1378 or email: yult@seas.upenn.edu

Application deadline is Friday, February 21, 2020
In the space provided below briefly describe the background of your proposed research topic, the main thesis or hypothesis you will be investigating and the method(s) to be used in conducting this work. Attach it to the summer research application form. Do not exceed one page. Please use typed print.

Reminder: A poster presentation and written report of the findings of this effort are due at the end of the designated period. Also, weekly seminar attendance and participation in the fall 2020 symposium are required. Please sign below to confirm your commitment.

Name: _______________________________ Date ____________________
**UNIVERSITY OF PENNSYLVANIA**  
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**TIMETABLE**

*Outlining the Proposed schedule of the work for the 10-week period.*

1. The maximum period allowed for the summer research is ten weeks. This is estimated as eight weeks for conducting the research and two weeks for documenting the effort with a formal written report. Students are obligated to work for the entire maximum period of ten weeks.

2. Each application is required to submit a one-page *maximum* prospectus about the proposed research. The prospectus should summarize the background of the research, the main thesis to be investigated and the method(s).

3. Each applicant must submit a brief, research schedule estimating the amount of time to be spent on specific research activities. This timetable should incorporate information as shown below:

**EXAMPLE (10 Weeks of Experimental Research):**

<table>
<thead>
<tr>
<th>May (2 weeks)</th>
<th></th>
<th>June (4 weeks)</th>
<th></th>
<th>July (4 weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature Review</td>
<td>1 week</td>
<td>Learning Experimental Protocol</td>
<td>2 weeks</td>
<td>Conducting Experiments</td>
</tr>
<tr>
<td>Research Project Outline</td>
<td>1 week</td>
<td>Conducting Experiments</td>
<td></td>
<td>Preparing Written Report</td>
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<tr>
<td></td>
<td></td>
<td>Preparing Poster Presentation</td>
<td></td>
<td>Preparing Poster Presentation</td>
</tr>
</tbody>
</table>

**EXAMPLE (10 Weeks of Theoretical Research):**

<table>
<thead>
<tr>
<th>May (2 weeks)</th>
<th></th>
<th>June (4 weeks)</th>
<th></th>
<th>July (4 weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Literature Review</td>
<td>1 week</td>
<td>Developing Theoretical Framework</td>
<td>2 weeks</td>
<td>Conducting Theoretical Investigation</td>
</tr>
<tr>
<td>Research Project Outline</td>
<td>1 week</td>
<td>Conducting Theoretical Investigation</td>
<td></td>
<td>(Mathematical and/or Computer Modeling)</td>
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<tr>
<td></td>
<td></td>
<td>Conducting Theoretical Investigation</td>
<td>2 weeks</td>
<td>Preparing Written Report</td>
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<td>Preparing Poster Presentation</td>
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