

# *SECURE for Student Success (SfS<sup>2</sup>)*

## *Core Team Meeting # 3*



**S. K. Ramesh, Ph.D., FIEEE**  
*Founding Director SfS<sup>2</sup> & Professor of Electrical and Computer Engineering*



## *AGENDA*

- **Welcome and Grant Updates– Ramesh**
- Extended Advisory Team / External Advisory Committee Meetings/ Industry Mentoring/IPR)
- Community College Partners
- LA Pierce College – Elizabeth Cheung
- College of the Canyons – Amy Foote
- Project Assessment and Evaluation – Nathan Durdella
- Program Activities (Area Leads)
  - Undergraduate Research – Silvia Carpitella
  - Faculty Community of Practice – Vartenie Aramali
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  - Student Workshops – Sahabul Alam
- Next Meeting (Fall 2024 – Dates TBA)
- Adjourn



## *Summer Meetings*

- Extended Advisory Team
- Date: **Tuesday, July 9<sup>th</sup>, 2024**
- Time: **10 AM – 12 Noon**
- Location: **In-person (TBA) and Hybrid**
- External Advisory Committee
- When: **Wednesday, July 10<sup>th</sup>**
- Time: **11 AM – 1 PM**
- Location: **Hybrid and In-person (TBA)**
- Participants
- Members of the Extended Advisory Team and External Advisory Committee
- Assessment Coordinator/Area Leads/CC Leads/Project Staff



## *Extended Advisory Team*

- ✓ **Jackie Stallcup**, Interim Vice Provost
  - ✓ **Janet Oh**, Director, Institutional Research
  - ✓ **Gabriela Chavira**, Director, Undergraduate Research
  - ✓ **Danielle Spratt**, Director, Community Engagement
  - ✓ **Freddie Sanchez**, Interim AVP Student Affairs, Equity & Inclusion (Representing William Watkins, VP Student Affairs)
  - ✓ **Veronica Montoya**, Senior Director HSI National Initiatives, (Representing Amanda Quintero, Senior Advisor to the President for Inclusive Excellence)
  - ✓ **Christina Mena**, Assistant Director, Alumni Relations & Engagement (Representing Nichole Ipach, VP University Relations & Advancement)
  - ✓ **Grace Slavik**, Associate Executive Director TuC (Representing Rick Evans, Executive Director, TuC)
- Unavailable
- **Diane Guido**, AVP Faculty Affairs
- No response
- **Colin Donahue**, VP Admin. and Finance
  - **Melanie Bocanegra**, AVP Student Success



# *External Advisory Committee*

- ✓ **Cindy Anderson**, CEO Alula Consulting & Engineering for One Planet (EOP) Strategy Consultant
- ✓ **Chris Erickson**, Consultant, Blue Origin
- ✓ **Erin Hong**, Engineering Manager, Aerospace Corporation
- ✓ **Balaji Iyer**, Director, Naval Air Systems Command, NAVAIR
- ✓ **Naomi Palmer**, JPL Fellow, Office of Safety and Mission Success, Jet Propulsion Laboratory
- ✓ **Julia Potter**, Past President, University Economic Development Association (UEDA)
- ✓ **Felix Rabinovich**, Vice President, ATIMS
- ✓ **Lisa Sachs**, Managing Principal Emeritus, Cumming Group, Chair-Elect, Applied and Natural Sciences Accreditation Commission, ABET
- ✓ **Will Edmunds**, Chair, Radiation Technology, Loma Linda University

## Not Available

- **Luis Carbajo**, HR Director, Vaughn Next Century Learning center
- **Sharon DeVivo**, President, Vaughn College

## No response

- **Fernando Guarin**, Distinguished Member of Technical Staff, Global Foundries & IBM
- **Tom White**, Chief Resource Officer, Network for Global Innovation (NGIN), Professor, Art Center College of Design
- **Fatima Colorado**, Manager, Distribution Planning Engineering, Portland General Electric
- **Sunand Bhattacharya**, Associate Vice President, Design & Innovation Strategies, Boston College

## *Industry Mentors*

### Industry Mentors (Career Development)

- What are we looking for?
- Looking for a diverse group of mentors, with at least 2-3 years experience
- Commit to working with 3-5 students (Mostly virtual, some in-person, Job shadowing, Introduction to the workplace, Professional Development). Average about 5 hours/month.
- **Need your recommendations!**
- **Name, Position, Contact Information (Email)**
- **Send them to [s.ramesh@csun.edu](mailto:s.ramesh@csun.edu)**





## *Industry Mentors*

### **Industry Mentors (Career Development)**

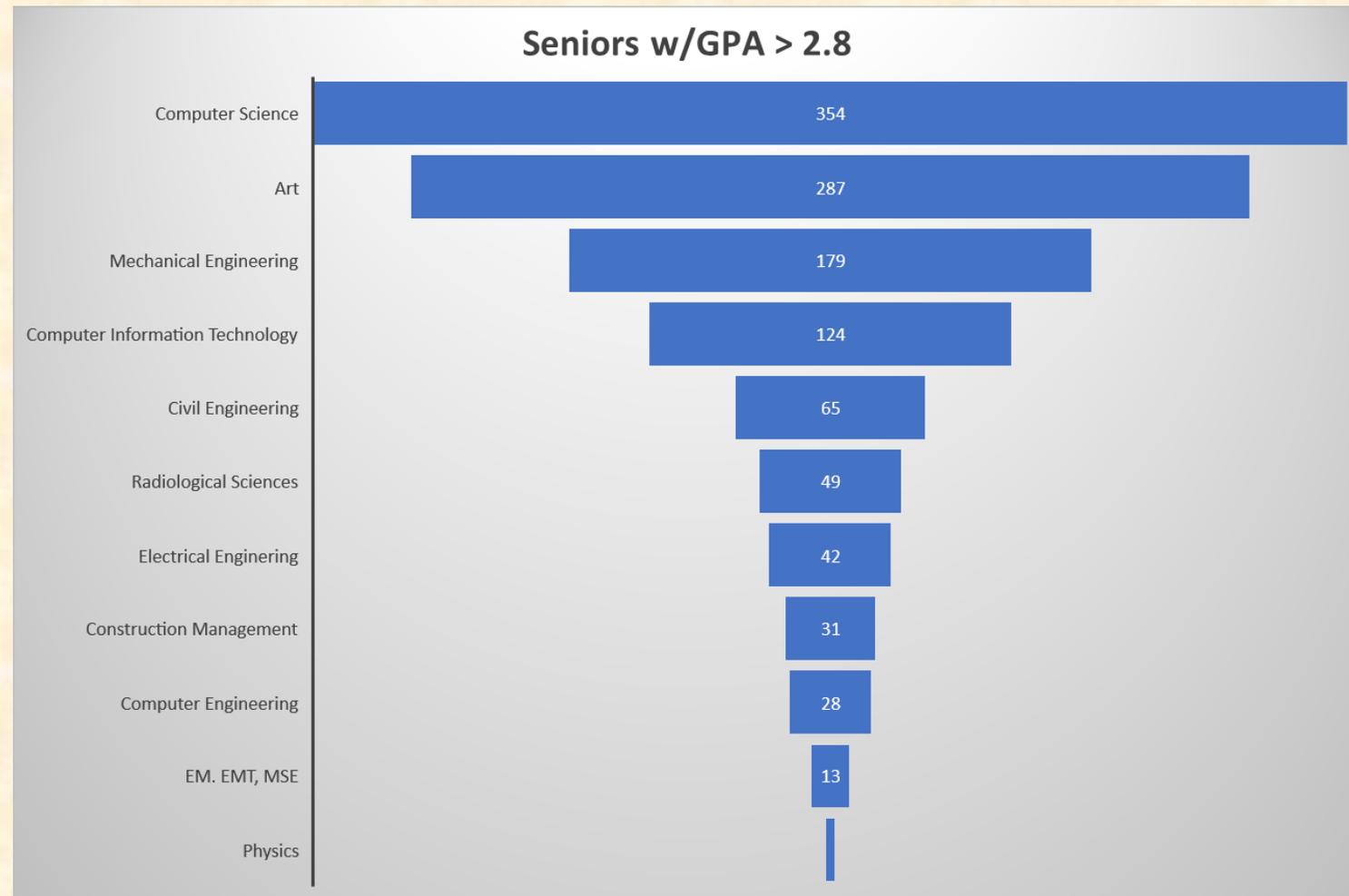
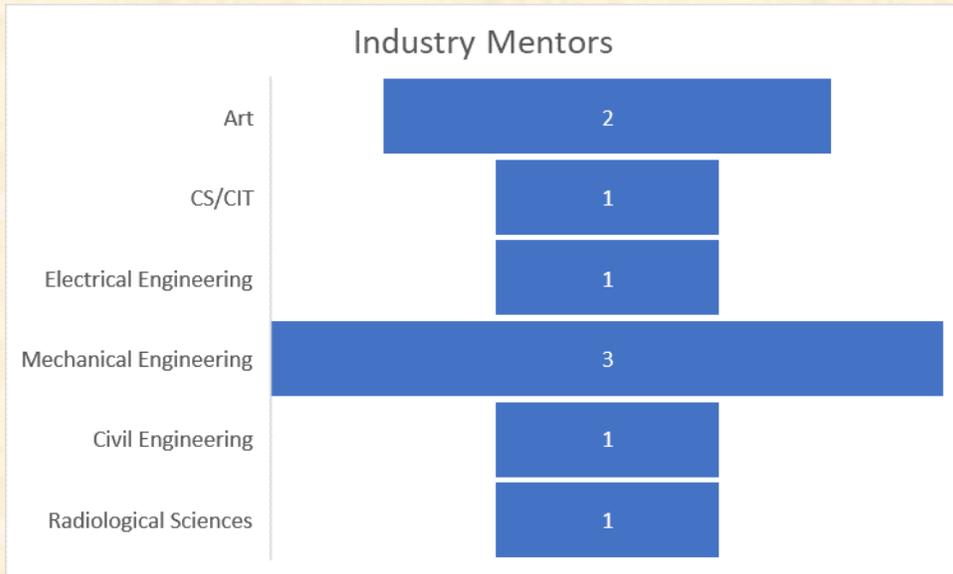
- Advertise and recruit industry mentors – **Mar, Apr**
  - Orient industry mentors on project needs, services, and deliverables
  - Up to 10 industry mentors with a stipend of \$ 2 K each annually
- Mentor Training, Mentor/Mentee matching– **May/early June**
- Monitor progress– **Sum 24, Aug-Dec (fall), Jan – May (spring)**



## *Industry Mentors*

Hope	Martinez
Vivek	Kandel
Icess Iana	Nisce
Suzanne	Fisher
Alan	Cruz
Nataly	Sanchez
Pablo	Cuellar
Jennifer	De Avila
Tiffany	Haghighi
Erin	Hong

- Accepted – 6
- Declined – 1
- Response awaited - 3





hepis.ed.gov/isapr/grant\_interim\_review\_and\_certification/P0315230232

# ISAPR

Institutional Services Annual Performance Reporting System

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- IS APR Home
- Grant Identification
- Cover Sheet
- Executive Summary
- Section A Performance Objectives

Welcome **s.ramesh@csun.edu**

PR/Award Number: **P0315230232**      Reporting Period: **10/01/2023 to 03/31/2024**  
Grantee Name: **California State University, Northridge**      Program Officer: **Margarita Melendez (margarita.melendez@ed.gov)**

IS APR Home / *Review and Certification - Interim*

## Review and Certification - Interim

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IS APR Interim Review And Ce...  
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- Section B Budget Information
- Section C Additional Information
- Review and Certification
- View Report(s)
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### Review Your Report

Cover Sheet	
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Section A: Performance Objectives	
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## *Pierce College Updates*

- Two peer mentors in MESA this spring
- Mentoring plans for fall:
  - Recruiting peer mentors for fall semester
  - Planning peer mentor training for this summer – combination of existing Pierce Peer-to-Peer Mentor training and MESA-specific training
  - One peer mentor lead (current peer mentor who is continuing) – borrowing this model from CoC
- Pierce students applied to CSUN summer research





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### Updates for College of the Canyons:

1. We have established two specific peer mentors for our students.
2. Students have been involved in peer support group with our new mental health specialist to assist in the pressures of a first generation/underrepresented STEM student.
3. Our counselor has been meeting with our students to keep them on track as well as making sure our students stay on their path in STEM.
4. Overall students and faculty have been fostering the learning community established in MESA to support the academic and professional development of our student population.



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# *Project Assessment and Evaluation*

## **UPDATES**

- Interim Progress Report (IPR) Section A drafted to be submitted in May
- IRB protocol approved
- AEA proposal submitted
- Met with 3 Faculty Leads, presented to faculty leading summer research, and communication with support staff to support assessment processes and evaluation

## **UPCOMING & ONGOING WORK**

- Continuing to align performance measures with instruments and data collection
- IRB modifications (if needed)
- Participant and grant activity databases – coordination between Faculty Leads and Support Staff + updates at end of May and in late September
- Starting project activity assessment (surveys & preparing for the summer)
- Outlining APR – September 20



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# *Undergraduate Research Program*

The Faculty Orientation Event took place on April 12<sup>th</sup>, thank you for your great contribution!





# *Undergraduate Research Program*

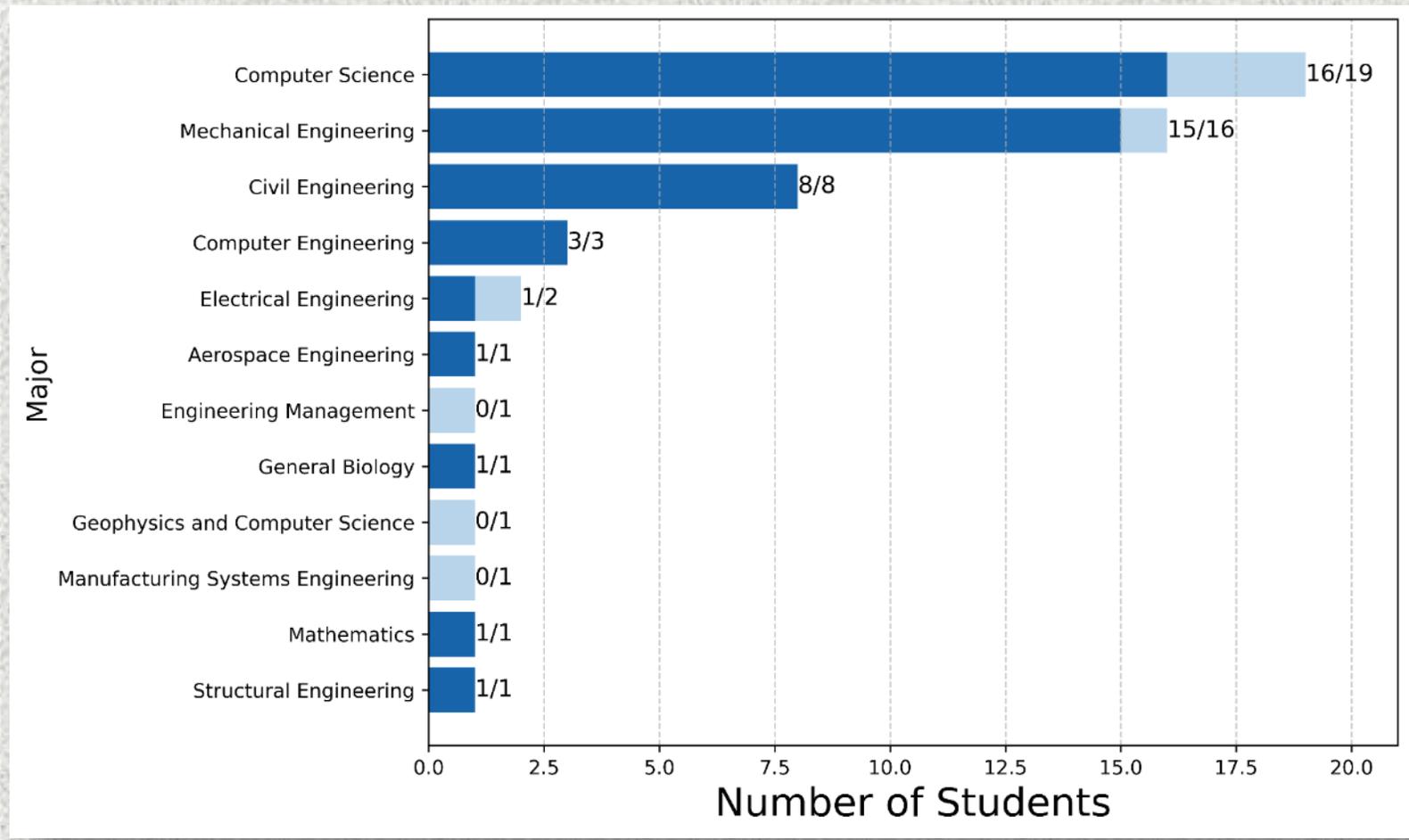
- 10 projects have been selected on the basis of how well they could attract the broader spectrum of students with different backgrounds to fit the purpose of our grant.
- Information about research projects is available in our website: [www.ecs.csun.edu/sfs2](http://www.ecs.csun.edu/sfs2)
- We are now in the stage of selection of applications.

Summer 2024 Research Projects with CSUN Faculty Mentors		
Project Title	Professor	Project Information
New Patterns for Evaluation and Optimization of Performance Level of Enterprises (NewPEOPLE)	Dr. Silvia Carpitella	<a href="#">Click here for information.</a>
Literature in Civil Engineering and Construction Management	Dr. Vartenie Aramali	<a href="#">Click here for information.</a>
Machine Learning-based Energy Prediction for Workload Management in Datacenters	Dr. Xunfei Jiang	<a href="#">Click here for information.</a>
3D Vehicle Detection and Classification for Roadside for Traffic Flow Monitoring	Dr. Xunfei Jiang	<a href="#">Click here for information.</a>
Solving physics equations with neural networks	Dr. Yang Peng	<a href="#">Click here for information.</a>
Optimizing Inter-Satellite Optical Communication System Through the Integration of Turbo Codes	Dr. Md Sahabul Alam	<a href="#">Click here for information.</a>
Investigating the impact of Electric Vehicles on Power Distribution Systems	Dr. Rasoul Narimani	<a href="#">Click here for information.</a>
A data-driven framework for automated classification of machining manufacturing processes	Dr. Sepideh Abolghasem	<a href="#">Click here for information.</a>
Developing Low-Cost Geophysics-Based Instruments	Dr. Ricardo Medina	<a href="#">Click here for information.</a>
Time-dependent Working Stress Analysis of Precast Prestressed Ultra-high Performance Concrete Bridge Girders	Dr. Shawn Sun	<a href="#">Click here for information.</a>



# *Undergraduate Research Program*

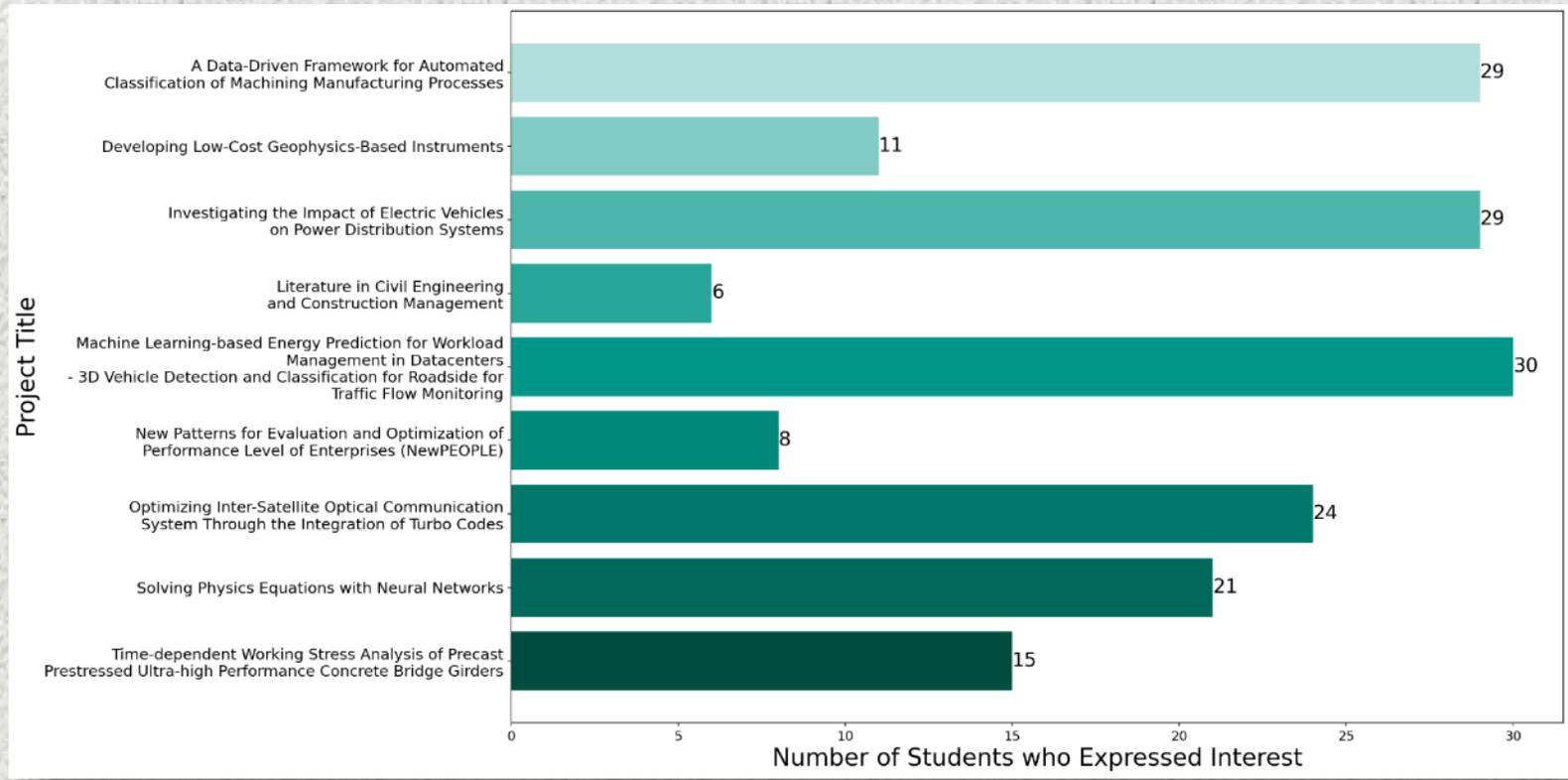
- We received 55 applications, that have been double checked with relation to eligibility criteria (47).





# *Undergraduate Research Program*

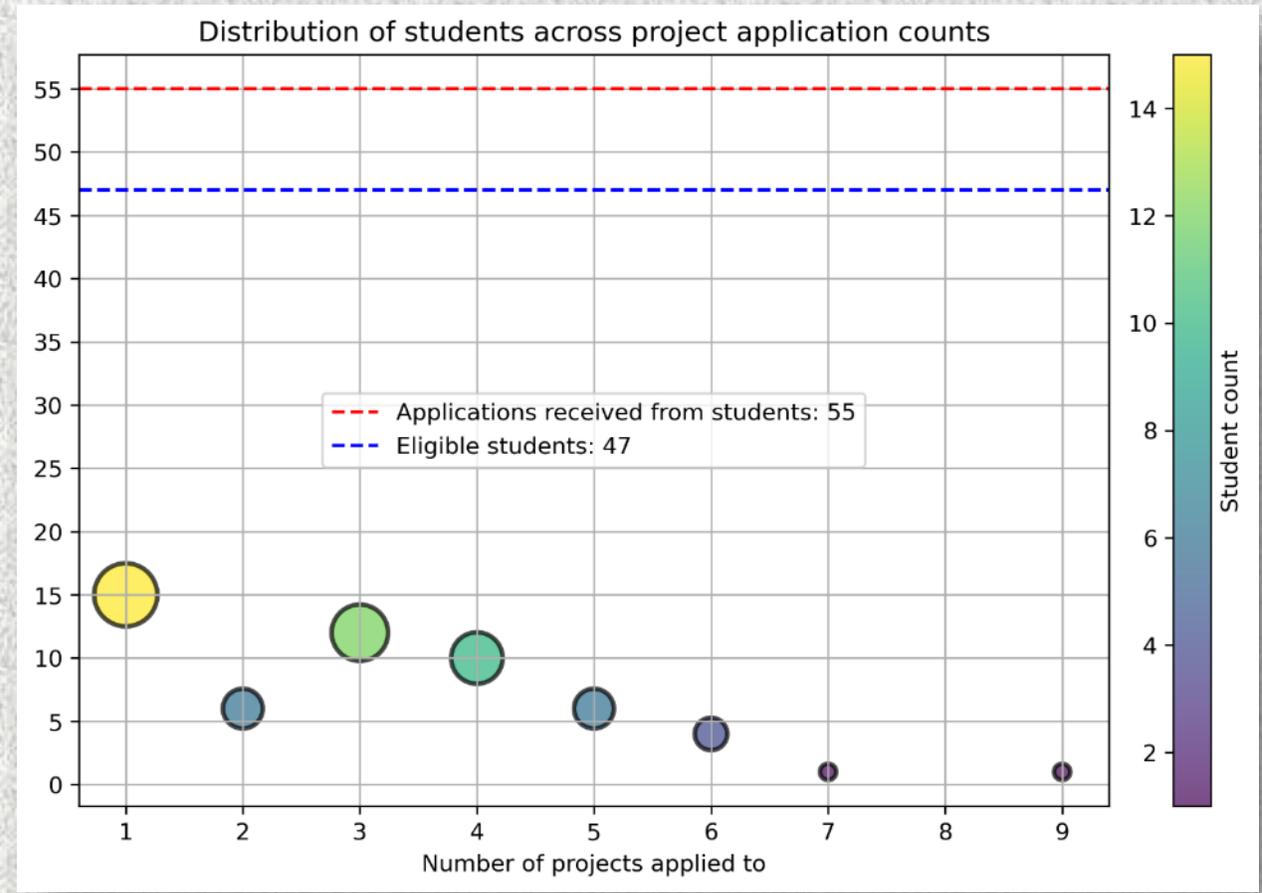
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- When filling in their applications, students had the possibility to indicate more than one project they would like to work on.





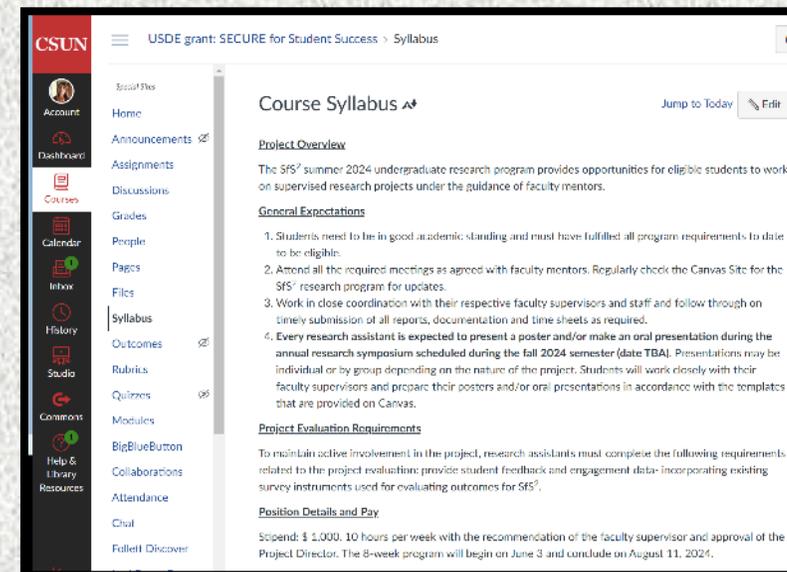
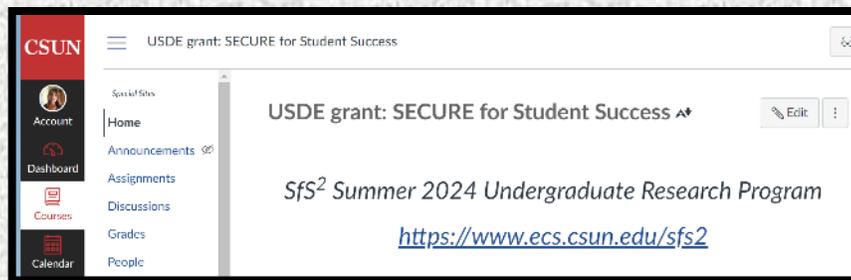
# *Undergraduate Research Program*

- We received 55 applications, that have been double checked with relation to eligibility criteria (47).
- When filling in their applications, students had the possibility to indicate more than one project they would like to work on.
- Selected students will be sorted to projects. We kindly asked faculty to submit a prioritized ranking by **May 10<sup>th</sup>, 2024.**



# Undergraduate Research Program

- Students will receive notification by **May 13<sup>th</sup>** for completing paperwork.
- Practical information will be available via Canvas (invitation to join will follow).
- We are in the process of selecting a day that would work for the research symposium (Fall 2024).

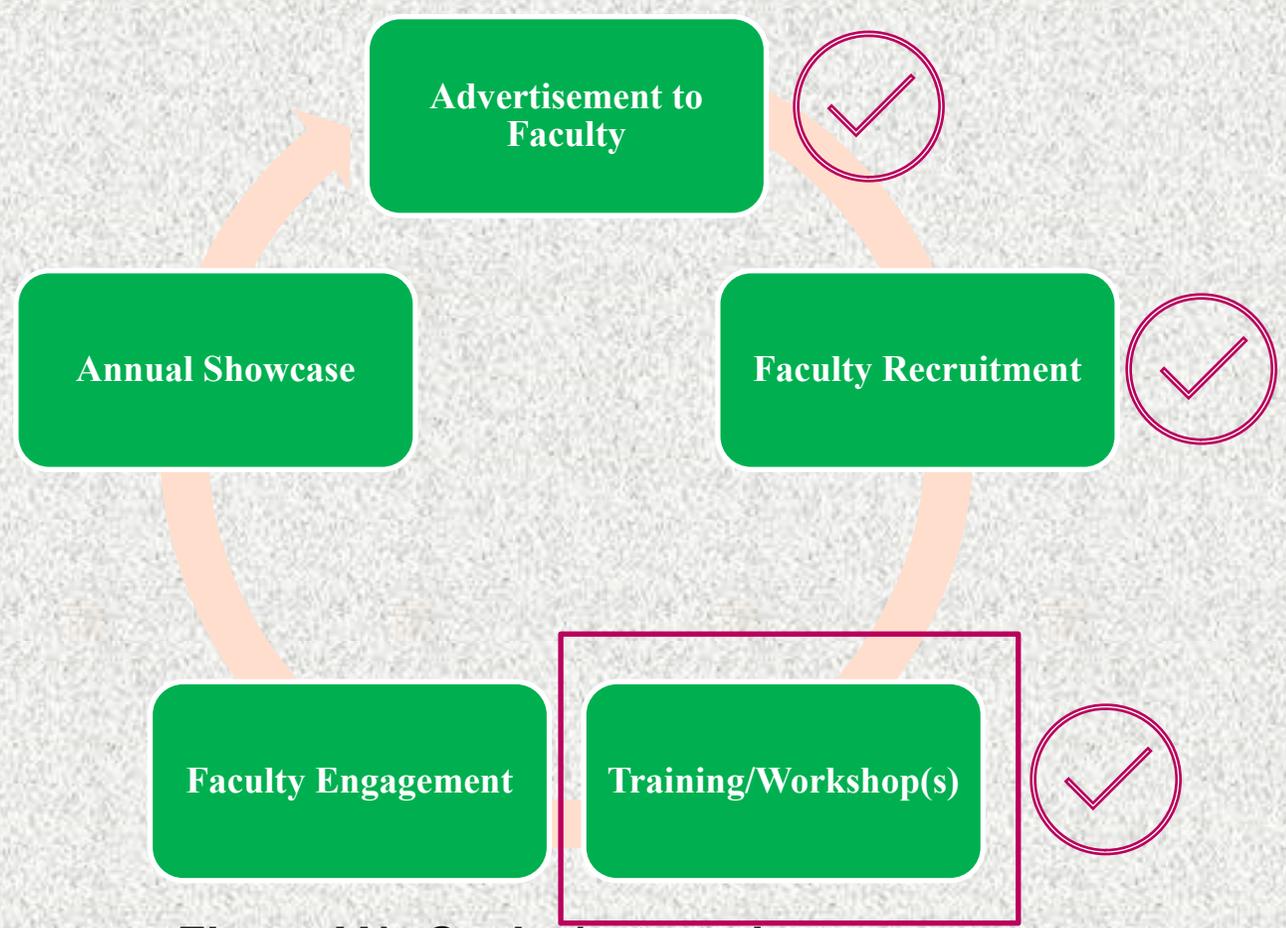




## *AGENDA*

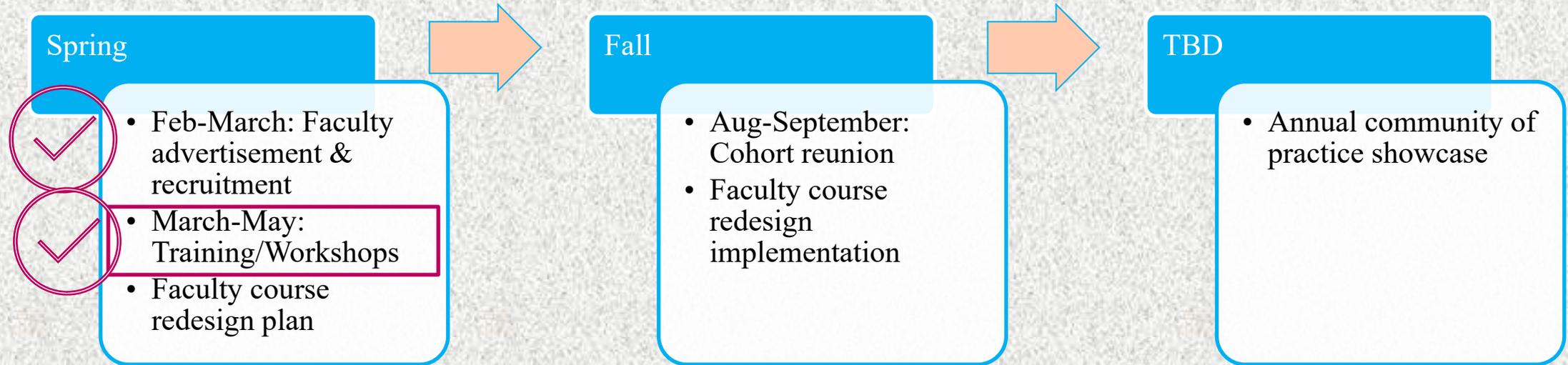
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# *Faculty Community of Practice (FCOP)*



**Figure V1: Cycle 1 started**

# *Faculty Community of Practice (cont.)*



**Figure V2: Cycle 1 details**



# Dr. Gina's Keynote

- March 29, 2024
- We had around 30 attendees
- Special thanks to Kathleen, Matthew, and Armando

## DEFINING SERVINGNESS IN PRACTICE AT HISPANIC SERVING INSTITUTIONS

**MARCH 29, 2024**  
 10 a.m. – 12 Noon  
 USU Northridge Center  
 California State University, Northridge

**COST:** Free to CSUN Faculty, Staff and Students.  
**REGISTRATION IS REQUIRED.**  
 [The system will accept registrations on a first-come first-served basis, subject to space availability. Confirmations will be sent to all registered attendees.]

SCAN TO REGISTER

**SECURE for Student Success**  
SECURE for Student Success®  
 Strengthening Equitable Culturally Responsive Environments for Student Success: Using a Servingness Model to support Hispanic and Underrepresented Students

For additional information visit: [ecs.csun.edu/sfs2](https://ecs.csun.edu/sfs2)

KEYNOTE SPEAKER

DR. GINA ANN GARCIA

Dr. Gina Ann Garcia is a professor in the School of Education at UC Berkeley. Her research centers on issues of equity and justice in higher education with an emphasis on understanding how Hispanic Serving Institutions (HSIs) embrace and enact an organizational identity for serving minoritized populations. She explores the experiences of administrators, faculty and staff at HSIs and the outcomes of students attending these institutions. As an equity-minded scholar, she tends to the ways that race and racism have shaped institutions of higher education.

Dr. Garcia is the author of *Becoming Hispanic-Serving Institutions: Opportunities for Colleges & Universities* for which she won the American Association of Hispanics in Higher Education Book of the Year Award in 2020 and the editor of the book *Hispanic-Serving Institutions in Practice: Defining "Servingness" at HSIs*. Her newest book, *Transforming Hispanic Serving Institutions for Equity and Justice* was released in Spring 2023 and is now available.

She has delivered over 150 public lectures and workshops across the country and consults directly with HSIs to work towards organizational transformation. She is also the host of the popular podcast ¿Qué pasa, HSIs? and founded the Cal HSI Center which advances HSI research that informs practice and policy.

Dr. Garcia graduated from California State University, Northridge with a bachelor's degree in marketing, the University of Maryland, College Park with a master's degree in college student personnel, and the University of California, Los Angeles with a Ph.D. in higher education and organizational change. She is a proud alumna of a HSI and was a Title V Coordinator at Cal State University, Fullerton which drives and motivates her research and praxis.

\*SECURE for Student Success® is supported by the United States Dept. of Education FY 2023 Title V, Part A, Developing Hispanic-Serving Institutions (DHSI) Program five-year grant, Award Number P031S230232, CFDA Number 84.0315. However, the contents of this presentation do not necessarily represent the views of the US Department of Education, and you should not assume endorsement by the Federal Government.

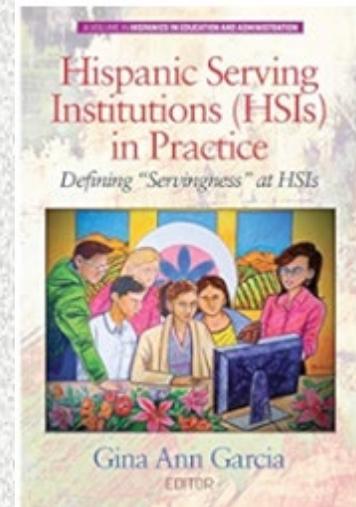






## *Dr. Gina's Workshop*

- March 29, 2024
- FCOP members attended
- Workshop assessment questionnaire conducted
- Focus was on: “Defining Servingness in Practice at Hispanic Serving Institutions”
  - Discussed her book
  - Laid out a multidimensional conceptual framework for understanding “Servingness”









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## *Peer Mentoring Program*

- Peer Mentoring Program is in the process of launching
- 23 Mentors
- 619 Transfer students invited as mentees
  - So far 7 have signed up – Mentor Collective will keep reminding/nudging students to sign-up to program
- Mentor Orientation on April 22, 2024
  - Discussed the possibility of having mentors stay-on as mentors over the summer



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# *Upcoming Student Workshops*

## **Transfer Thrive**

➤ **A Roadmap to Academic Success** for Transfer Students

**Wednesday May 22, 2024**

**12:00 to 1:45 PM • Johnson Auditorium, Jacaranda Hall**

### **Panelists:**

- ❖ **DR. ROBERT MCILHENNY**, COMPUTER SCIENCE
- ❖ **DR. ASHLEY GENG**, ELECTRICAL & COMPUTER ENGINEERING
- ❖ **DR. HAMID JOHARI**, MECHANICAL ENGINEERING
- ❖ **DR. RICARDO MEDINA**, CIVIL ENGINEERING & CONSTRUCTION MANAGEMENT
- ❖ **DR. DEBI PRASAD CHOWDURY**, PHYSICS & ASTRONOMY
- ❖ **DR. DORIS ABRISHAMI**, HEALTH SCIENCES
- ❖ **MARIA VALITON**, DIRECTOR. STUDENT SERVICES CENTER/EOP CENTER
- ❖ **JESSICA TRUJILLO**, GRADUATION & RETENTION SPECIALIST

### **Tentative Agenda**

- Welcome remarks by Dr. S K Ramesh: 12:00 - 12:05pm
- Panel on Transfer Resources: 12:05 - 12:45pm
- Breakout to Plan Fall 2024 Schedules: 12:45 - 1:35pm
- Post-event Survey : 1:35 - 1:45pm

**\*Pizza will be served**



# *Upcoming Student Workshops*

## **Summer Workshop**

**When: TBA soon (Sometime in July, 2024)**

**Where: TBA soon**

**9:00 AM to 3:00 PM**

### **Tentative Agenda**

- Study Skills : 9:00 – 10:00 AM
- Time Management: 10:00 – 11:00 AM
- Financial Literacy: 11:00 AM – 12:00 PM
- Lunch Break (Pizza will be served): 12:00 – 1:00 PM
- Counselling/Mental Health: 1:00 – 2:30 PM



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