

# UNM STEM MENTORING PROGRAM



Sandia National Laboratories



SCHOOL OF  
ENGINEERING



...AND MORE...



## Orientation

**Yadéeh Sawyer, Ph.D.**

*she/her/ella*

Engineering Student Success Center

[ESS.UNM.EDU](https://ess.unm.edu) > Programs & Opportunities>  
Current Students>Mentoring



[goto.unm.edu/stemmentoring](https://goto.unm.edu/stemmentoring)



ENGINEERING STUDENT  
SUCCESS CENTER

ESS.UNM.EDU >

Programs & Opportunities> Current Students>Mentoring>

## STEM Mentoring Program>Documents

1 semester @ a time





You are  
**Deserving**  
and  
**Worthy**

# Hello

my name is

- Name & pronouns
- Major
- Year
- Describe a time when you were mentored or mentored someone

# What is Mentoring?

“Mentoring occurs when a senior person or mentor provides information, advice, and emotional support to a junior person or student over a period of time”

*(as cited in Lev, Kolassa, & Bakken, 2010)*



What makes a mentoring relationship effective?







# Reciprocity







Vulnerability

# PROGRAM EXPECTATIONS & TIPS FOR SUCCESS









NO ONE IS A MIND READER.

*Clearly Communicate*

YOUR NEEDS.





**Set regular meetings**

Fall	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 AM	CHEM 101 LAB N1 (30576)		BIOL 107 LAB D19 (30399) BS CW 102		
9:00 AM		CHEM 101 LEC H1 (30544) C E1 60		CHEM 101 LAB N1 (30576)	
10:00 AM				CHEM 101 LAB N1 (30576)	MATH 113 LAB K7 (31328) CAB 229
11:00 AM	BIOL 107 LEC A01 (32934) ETL E1 001	MATH 113 LEC K1 (31287) TL B 2	BIOL 107 LEC A01 (32934) ETL E1 001	MATH 113 LEC K1 (31287) TL B 2	BIOL 107 LEC A01 (32934) ETL E1 001
12:00 PM					
1:00 PM	ENGL 122 LEC A21 (38981) HC L 4 SOC 100 LEC A2 (31818) TL 12	ENGL 122 LEC A21 (38981) HC L 4	SOC 100 LEC A2 (31818) TL 12	ENGL 122 LEC A21 (38981) HC L 4	SOC 100 LEC A2 (31818) TL 12
2:00 PM		CHEM 101 SEM L10 (30555)			

**FLEXIBLE SCHEDULE**

Reflect  
on the  
past

SET  
GOAL

MAKE  
PLAN

GET  
TO  
WORK

STICK  
TO IT

REACH  
GOAL

Plan for  
the future



# 1st impressions





# TITLES

## COMMON TITLES



Mr.



Mrs.



Miss

## FORMAL TITLES



Gentleman



Ma'am



Sir



Lord



Excellency



Lady

## ACADEMIC/PROFESSIONAL TITLES



Dr.



Professor



Chancellor



Principal



President



Master



Warden

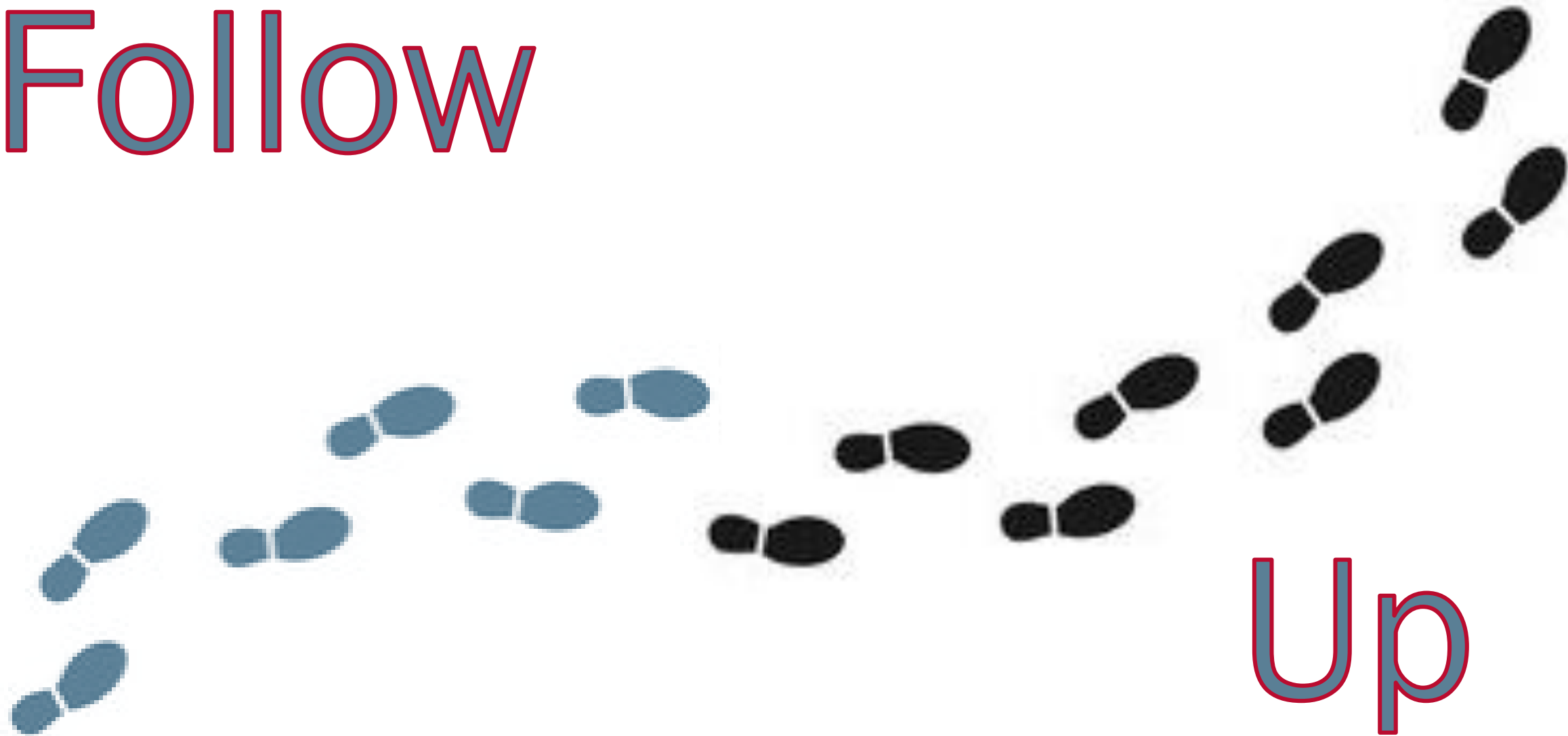


Dean



Logistics

Follow



Up



Communication!





**KEEP YOUR  
COMMITMENT**



Late. Cancel. Re-schedule.

3:00  
4:00  
5:00

Wednesday

NAME

8:00  
9:00  
10:00  
11:00  
12:00  
1:00  
2:00  
3:00

8:00  
9:00  
10:00  
11:00  
12:00  
1:00  
2:00  
3:00  
4:00



No show!

NUMBER



**EVERYONE'S A**

**L**  **B** 





*Choose*  
**gratitude**







**DISCRIMINATION**

The image shows the logo for 'check in' in a white, lowercase, sans-serif font. The letters are three-dimensional and mounted on a dark blue background. The word 'check' is on the left and 'in' is on the right, with a significant gap between them. The lighting creates soft shadows on the blue surface.

check in

& future plans

# ADDITIONAL INFORMATION





# WE ARE STUDENT SUCCESS!



## WE OFFER:

- Tutoring
- Scholarships and fellowships
- Engineering tours
- Jobs and internships
- Networking events
- Mentoring and undergraduate research
- Academic success workshops
- K-12 opportunities
- ...and more!...

## CONTACT US TODAY!

ess@unm.edu  
(505) 277-4354  
Centennial Engineering Center, Suit 2080  
ess.unm.edu



# 5

Reasons to Engage with



ess.unm.edu



Access to  
Scholarships &  
Financial Aid



Build Your  
Network



Achieve  
Academic  
Success

Enhance Your  
Resume



Connect to  
Research &  
Internship  
Opportunities



# Drop-In Tutoring for Engineering & Computing

Get help in your core STEM courses, engineering & computing specific classes, software, and coding languages.

ESS suite (CEC 2080) & online via Zoom



Tutoring schedule & more info at  
[ess.unm.edu/services/tutoring/](https://ess.unm.edu/services/tutoring/)

or through our web-app - succESS

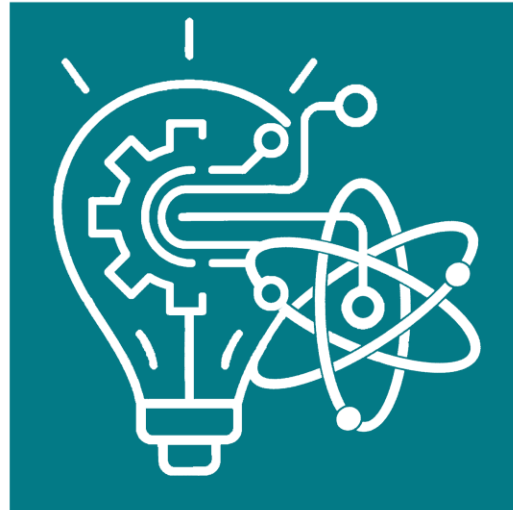




A tool for  
engineering your

SUCCESS

This web **APP** allows you  
to keep up to date on all  
we have to offer.



Put your learning into your own hands.



[success.unm.edu](https://success.unm.edu)

*Includes 1-click RSVP*



You are **WELCOME** to ALL events



Spring 2025 Events

We are Student Success

**Pre-Semester Prep Series**

Algebra through Calc 3, Chem 1, Physics 1

**Semester Long Programs**

Mentoring, Internships, Research

**Pizza & Presentation Prep Series**

What is a Conference?  
Designing Effective Presentations  
Data Visualization  
Delivering Presentations

**1st & 2nd Year Student Events**

Student Bash & Find Your Pack  
STEM Mixer  
How to make the most of your learning  
Manage Your Time  
Study Skills  
Fundamentals of MATLAB  
Basic Excel

**Career and Professional Development Events**

Building Connections & Networking  
Resumes and Cover Letters  
Interviewing Basics  
Landing an Internship  
So, What's Next? Start-Ups, Patents, and Publications  
*...and industry site visits...*

**Additional Events**

JEADI Summit  
UROC - Attendance Participation  
Engineering Expo

**Lab Safety Series**

Hazard Communication & Hazard Evaluation  
Hierarchy of Controls & Basics of PPE  
Chemical Waste Management

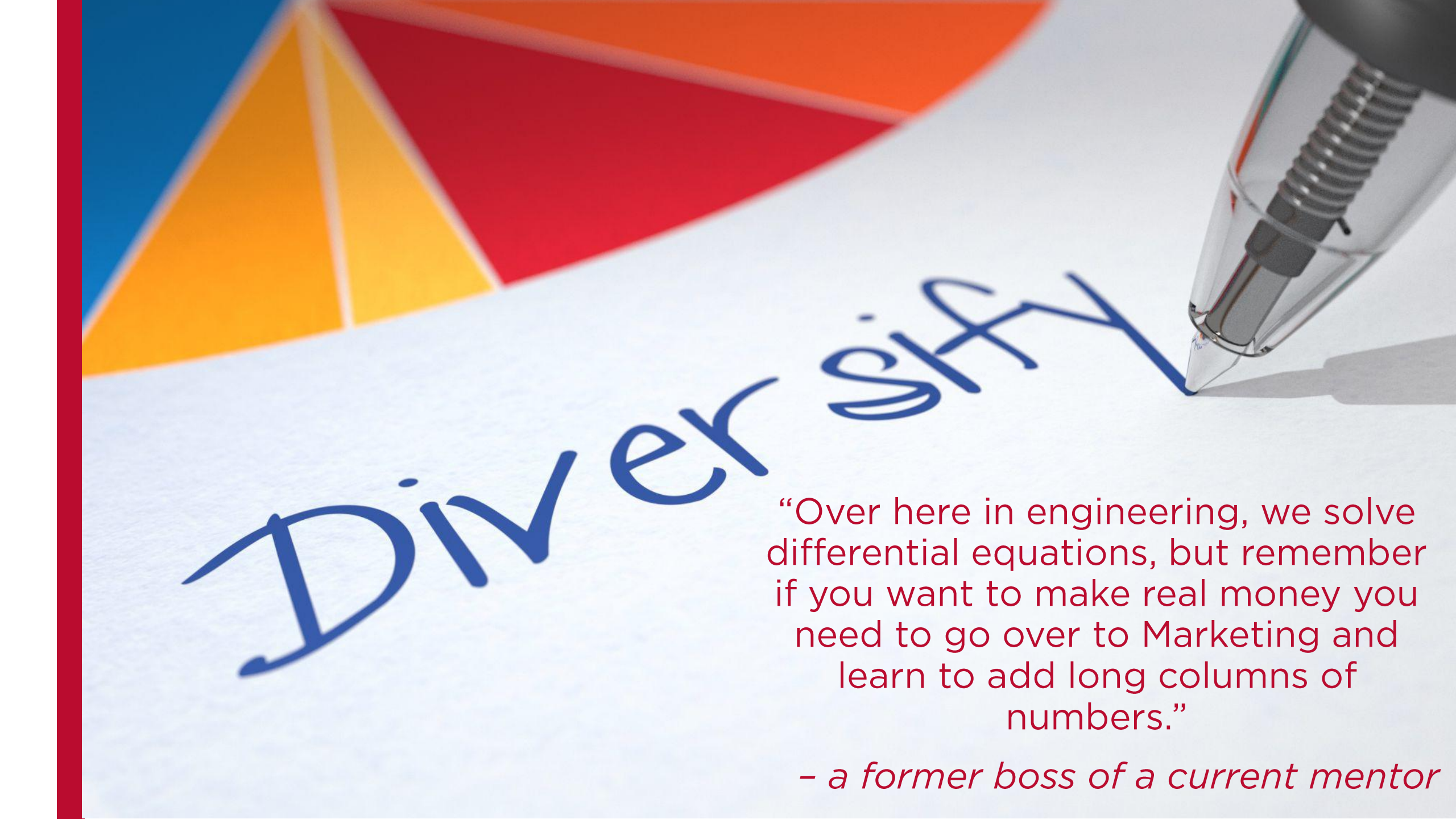
WIN a gift card. **GAIN** experience.  
BUILD your skill set. **ENHANCE** your resume.



And more! For more details, visit:  
[ess.unm.edu/events](https://ess.unm.edu/events) OR through our web-app - success







Diversity

“Over here in engineering, we solve differential equations, but remember if you want to make real money you need to go over to Marketing and learn to add long columns of numbers.”

*- a former boss of a current mentor*

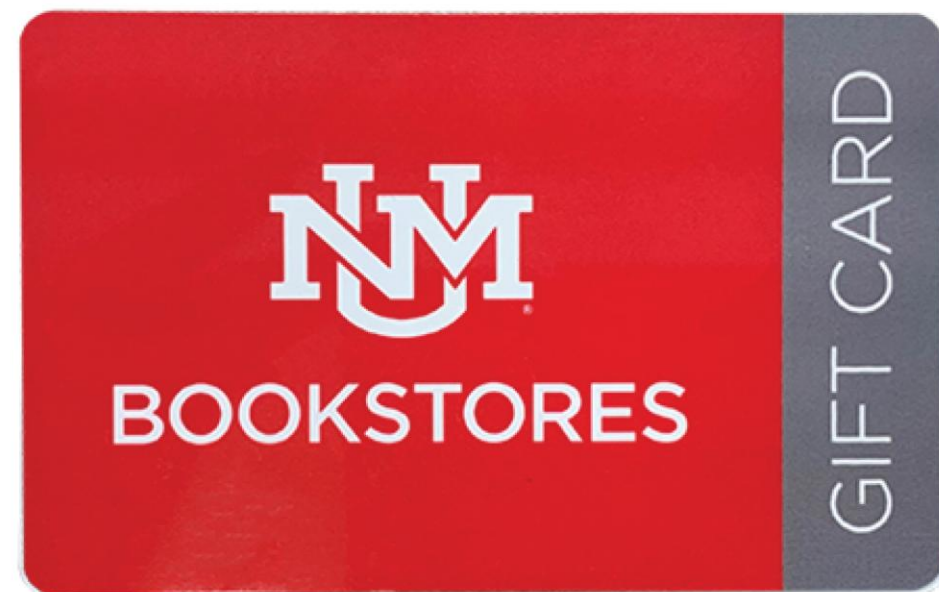




Join our events for **YOUR CHANCE** to win!

Each semester we award **Gift Cards** to the UNM Bookstore based on most attended (with bonus points for providing feedback).

**WIN** a gift card.  
**GAIN** experience.  
**BUILD** your skillset.  
**ENHANCE** your resume.





Weekly ESS Center Announcements

*Week of August 24, 2021*

*Please share as you feel appropriate.*

ESS HOTLINE: 505-277-4354 | E-mail: [ess@unm.edu](mailto:ess@unm.edu) | Website: [ess.unm.edu](http://ess.unm.edu)

**SUMMARY**

*All of our events are FREE and you can...*

*WIN a gift certificate. GAIN experience. BUILD your skill set. ENHANCE your resume.*

- Upcoming Engineering Student Success Center Events and opportunities
  - **This Week**
    - Welcome back to campus and to the Fall 2021 semester
    - Join us at the UNM Communities Day (8/25)
  - **New Announcements**
    - Intel Information Session (9/1)
    - Spatial Visualization Series (9/20, 10/25, 11/16)
  - **Next Week**
    - Lab Safety Matters series (3 part series; every other Tuesday)
  - **Coming Up**
    - Building Connection & Networking (Sept 2)
    - Join our Semester Long Programs (deadline: Sept 5)
      - STEM Mentoring & Peer-mentoring Programs
      - Internships
      - Student Research Experience Program
    - Interviewing Basics (Sept 7)
    - STEM Mixer (Sept 10)
    - Open House (Weekends this fall)
  - **Reminders**

- Sign up to be part of EPICS @ UNM
- Read all about Mari Aoki (athlete) our newest showcased student
- ESS Resource Page
- Together We Stand
- **Other ESS Center/SOE News and Info**

- Job/Research Opportunities/Scholarships
  - Join our Internship Programs
- Other UNM opportunities and news for STEM students
- Community news and opportunities

**Stay informed via our app!**  
 "engineering your succESS"  
 [SUCCESS.UNM.EDU]SUCCESS.UNM.EDU

Download instructions:  
<https://success.unm.edu/about/howToInstall>



The graphic features the UNM Engineering Student Success Center logo at the top. Below it, the text reads: "Introducing a tool for engineering your succESS". To the right is a stylized lightbulb icon with circuit-like patterns. Below the icon, it says: "This APP allows you to keep up to date on all we have to offer." At the bottom, it says: "Put your learning into your own hands." and includes a QR code, the website "success.unm.edu", and social media icons for Facebook, Twitter, Instagram, and YouTube.

*Please share as you feel appropriate.*



@UNMESSCENTER Follow us on Social Media

We have additional resources for Future Students [HERE](#).

**ENGINEERING STUDENT SUCCESS CENTER EVENTS:**

*All students are welcome to attend.*

*More information can be found at <https://ess.unm.edu/events> or through our app ([succESS](#))*

**THIS WEEK:**

*Welcome to the Fall 2021 Semester!*

**Join us at the UNM Communities Day (8/25)**

<https://sac.unm.edu/events/welcome-back-days.html>



# STEM GATEWAY Blog



**NEXT**

**STEPS**





Pairs  
announced  
(by Feb 12)

*Reach out to your  
pear*

The image features two stylized, white, 3D-rendered human figures shaking hands. Each figure is seated at a white laptop computer. The laptops are open, and their screens display a solid orange color. The figures are positioned on either side of the center, with their hands meeting in the middle. The background is plain white. A semi-transparent grey rectangular box is overlaid in the center, containing the text 'Introduction and set up 1st meeting' in an orange, sans-serif font. A vertical red bar is visible on the far left edge of the image.

Introduction and set  
up 1st meeting

RSVP is preferred, but not required.

[ess.unm.edu/events](https://ess.unm.edu/events) > February  
or through our web-app - succESS



# STEMixer

**NM** ENGINEERING STUDENT  
SUCCESS CENTER



Friday, February 7, 2025  
3:30 - 5:30 PM

STAMM Room - CENT 1044

Come network with others interested in STEM,  
including fellow students and NM STEM Professionals.

The focus of this event is  
mentorship and connection.

**WIN** a  
gift certificate\*.  
**GAIN** experience.  
**BUILD** your skill set.  
**ENHANCE** your resume.

\*School of Engineering students only



# SUPPORTING DOCUMENTS



## Mentoring Programs

### Mentoring Programs

Peer-Mentoring Program

STEM Mentoring Program ►

## Mentoring Programs

In addition to the programs below, make sure to check out our [co-curricular experiences](#) to help develop your marketability for your future.

### Get a STEM Professional as a mentor through our STEM Mentoring Program

<https://ess.unm.edu/programs/current-students/mentoring-programs/stem-mentoring-program/index.html>

**SEMESTERLY DEADLINES: February 5 and September 5. Matches will be announced by the following Wednesday.**

*(Spring/Fall, but engagement can continue into the summer, as best fits the match. Looking for STEM Professionals to be mentors - generally not faculty).*

Students (priority given to Freshmen and Sophomores, all “hard” STEM majors are welcome) are paired with STEM Professionals (most mentors are within Engineering & Computing fields) who mentor the students with whatever the student goals are - an informal relationship to help with career navigation and know what the working world is like. We ask for a 1 hour a week face to face commitment, one semester at a time. There are no citizenship or GPA requirements.

#### + [Advice from our Mentors](#)

We asked our mentors: ***What is something you learned in undergrad that you want to share with the students?*** And this is what they said:

#### General Advice

- Always periodically **check the environment you are operating in** as it changes and assumptions made based on previous checks may no longer be valid.
- **Don't dwell on bad** grades or compare yourself to others, **seek help** and focus on **improving yourself**.
- I learned in graduate school - how to **evaluate what is important** to me, what can bring me happiness in work, and how to develop myself as a good citizen outside of work.

# Handouts

- Finding a Research Mentor (*Optional*)





# Handouts

- Finding a Research Mentor (*Optional*)
- Survive & Thrive (and the ESS Resource pages)



<https://goto.unm.edu/ess-resources>

**Want help with anything related to your SOE Experience?**

For academic support, career & professional development and so much more.

**Check out our resource page and reach out as needed.**



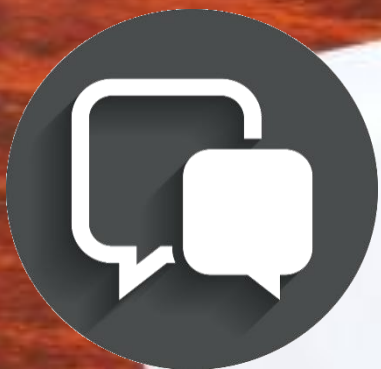
# Handouts

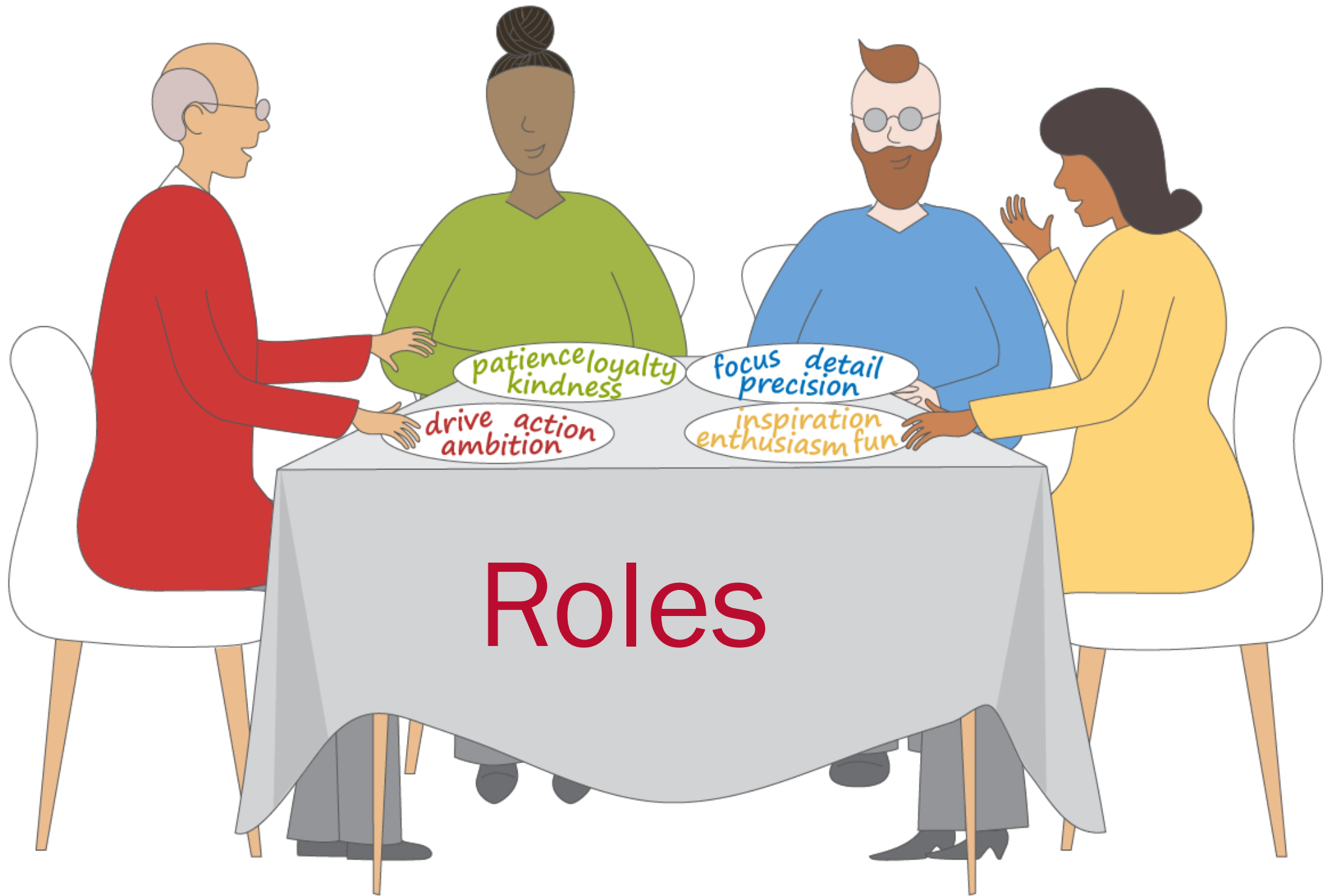
- Finding a Research Mentor (*Optional*)
- Survive & Thrive (and the ESS Resource pages)
- Professional Email Writing
- Mentee Questionnaire
- MOU – Memo of Understanding



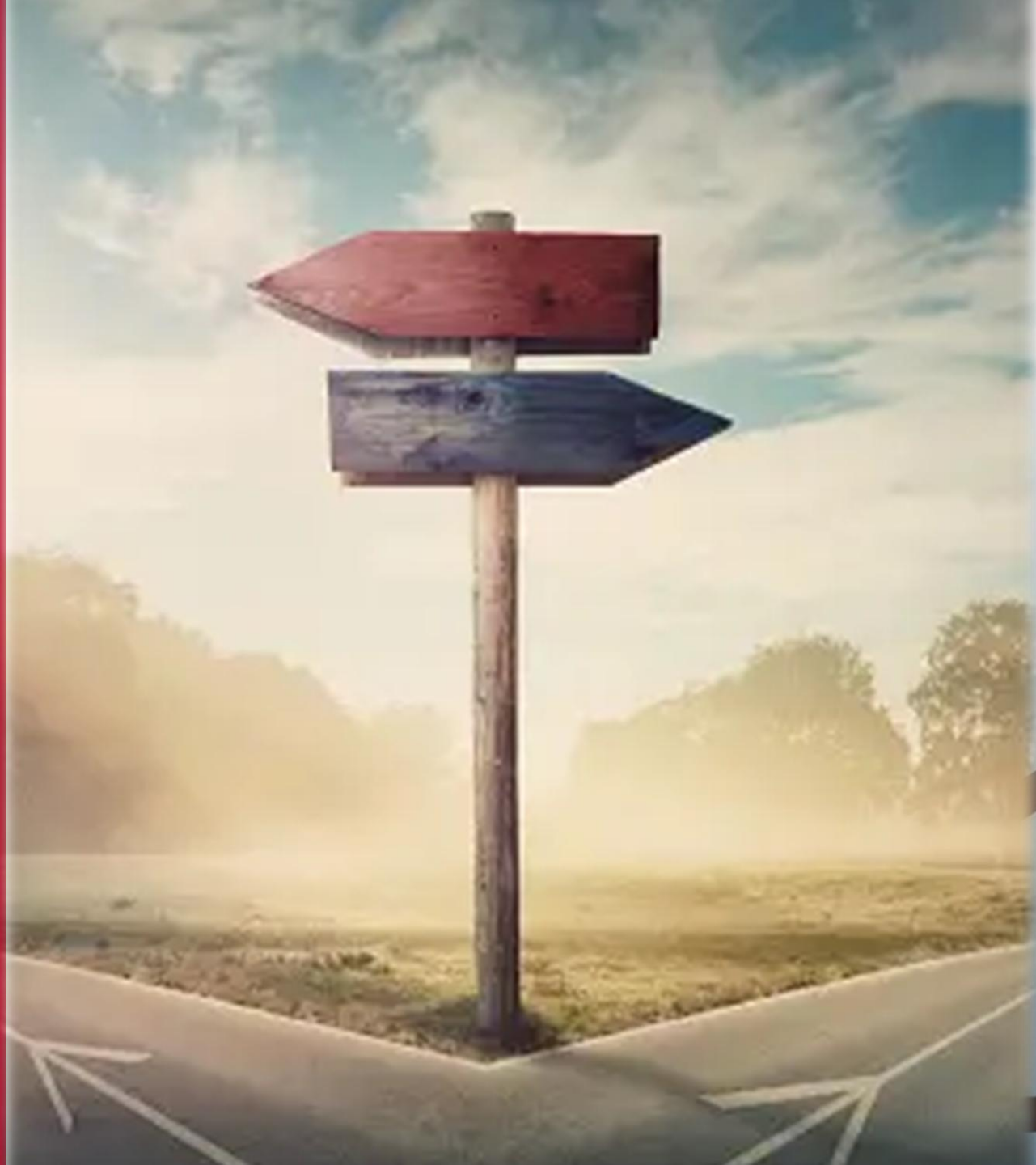


**MEMORANDUM OF  
UNDERSTANDING**





# Roles





# Communication expectations



what do  
**YOU**  
expect.



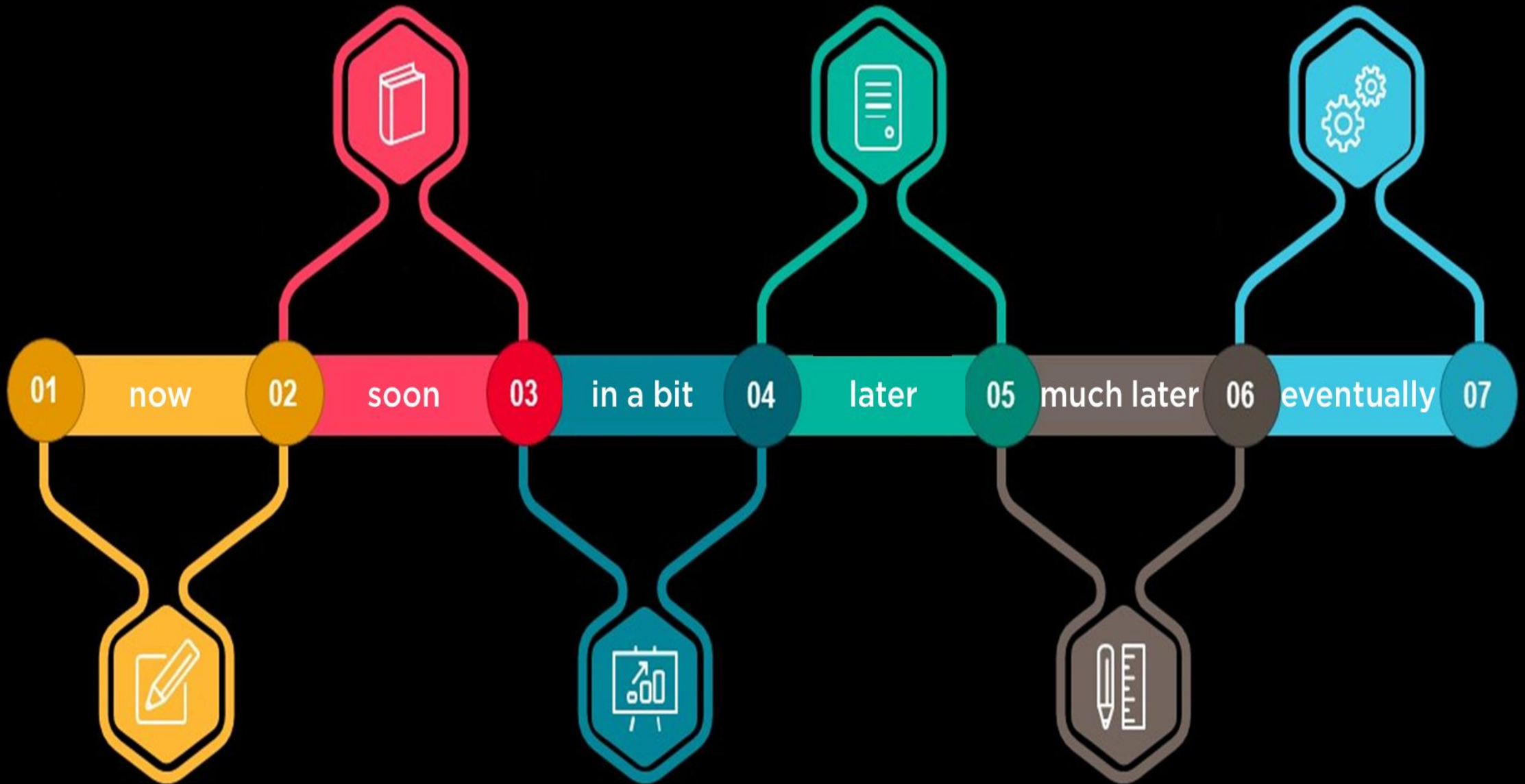


#GOALS





# Timeline



# Handouts

- Finding a Research Mentor (*Optional*)
- Survive & Thrive
- Professional Email Writing
- Mentee Questionnaire
- MOU – Memo of Understanding
- SMART Goals





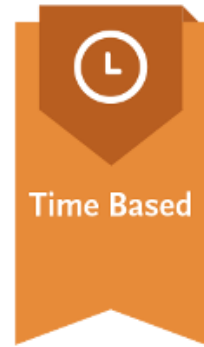
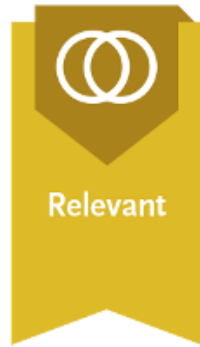
**S**

**M**

**A**

**R**

**T**



**Goals**

# Brainstorm Possible Goals



# Talk with Tomorrow

<https://weand.me/tomorrow/>





**ENGAGEMENT**

**Level**

**AVERAGE**

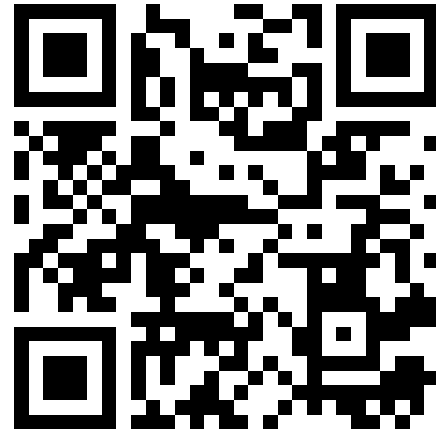
**LOW**

**HIGH**

**MAXIMUM**

# Questions?

Give  
feedback.  
Win a gift  
certificate!



Don't forget to follow  
up on social media.



[goto.unm.edu/ess-feedback](https://goto.unm.edu/ess-feedback)



[ess.unm.edu](https://ess.unm.edu)

or

our succESS web-app

