

# Arizona State University

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India

# ASU Charter

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ASU is a comprehensive **public research university**, measured not by whom it excludes, but by **whom it includes** and how they **succeed**; advancing **research and discovery** of public value; and assuming **fundamental responsibility** for the economic, social, cultural and overall health of the **communities** it serves.

## New American University

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Arizona State University has become the foundational model for the New American University, a new paradigm for the public research university that transforms higher education. ASU is committed to excellence, access and impact in everything that it does.

**#1 in the U.S.  
for innovation**

**ASU ahead of MIT and Stanford**

— U.S. News & World Report, 7 years: 2016–2022



**#1 in the U.S. for  
global impact**

**#2 in the world**

— Times Higher Education, 2022

# Welcome

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**We are proud** that Arizona State University is the academic home of more than **4,067 students from India** and that the university has impacted the lives of more than **13,700 alumni from India**.

**We are committed to helping our learners succeed** — not just academically, but throughout their lives — and be prepared for a rapidly changing world in which new careers are constantly evolving.

**Our legacy of excellence in education grows** because of the strengths of our award-winning faculty who invest in collaborative, interdisciplinary and solutions-focused approaches to research, education and entrepreneurship.

**We look forward to working with you** to empower the workforce and leadership of the 21st century, centered on discovery and impact.

Warmest regards,

**Julia Rosen**

Vice President, Global Academic Initiatives  
Office of University Provost



# Student enrollment

2021



**India is the top country of origin for international graduate students enrolled at ASU.**

**4,067**

students from India enrolled at ASU in fall 2021.

**770**

undergraduate students

**3,297**

graduate students

**67.4%**

increase in enrollment between fall 2020 and fall 2021

## ASU's Indian Students Association

The student-run Indian Students Association provides guidance and assistance to Indian students at ASU. The ISA offers information sessions, cultural and recreational activities, and support for Indian students throughout their time at the university.



## Vivin Paliath

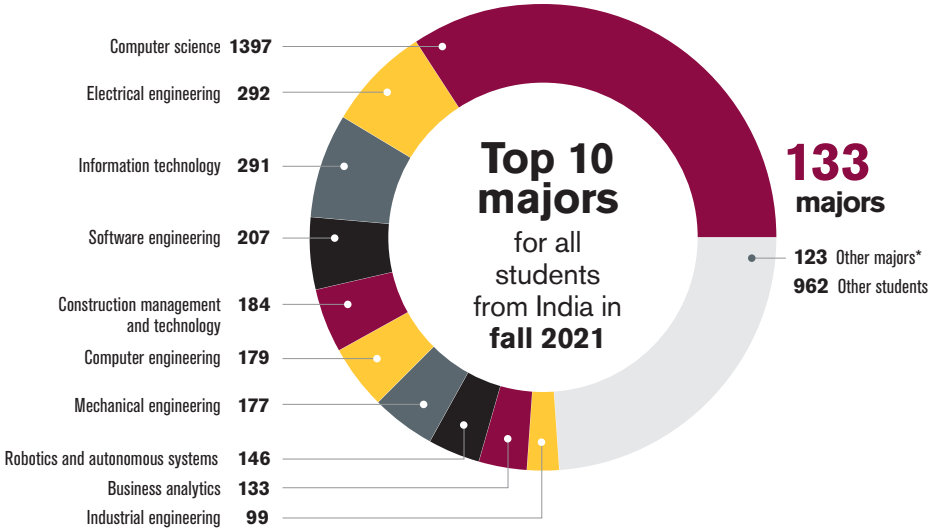
Computer science program, PhD  
Arizona Army National Guard veteran, Pat Tillman Scholar (2018)

Vivin is an immigrant from India who grew up in Oman before moving to California. He did a one-year tour in Baghdad with the Army before starting his PhD program at ASU. He is building up software for cybersecurity and threat intelligence, and plans to research the application of artificial intelligence and machine learning.

# Student enrollment

2021

## Top ASU programs chosen by Indian students in 2021



### \* The remaining 123 majors

include aerospace engineering, material sciences and business to architecture and biological sciences.



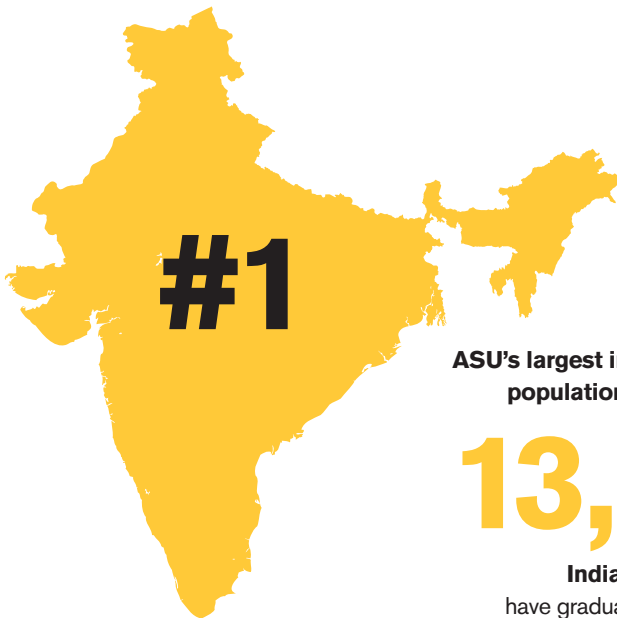
### Prerana Reddy

Architecture, Undergraduate  
Bangalore, India

“ My first reason to choose ASU was the reputation ASU holds in the U.S. and back in my country. ASU has a really flexible curriculum and the professors are really sweet. As an international student, I come from a very different educational background. The professors are actually willing to work with me and help me figure out my way through my career, and there are a lot of academic advisors too. ASU is really helping me out with where I want to be. ”

# Alumni

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**ASU's largest international alumni population is from India.**

# 13,692

**Indian alumni**  
have graduated since 1981.

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### **ASU alumni chapter**

Designed to serve Sun Devils in India, the India Chapter of the ASU Alumni Association offers networking and opportunities. [alumni.asu.edu/chapters/india-connection](http://alumni.asu.edu/chapters/india-connection)

# #1

**country of origin**  
for international alumni of ASU  
between 2012 and 2021

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### **ASU Thunderbird alumni chapters**

In addition to alumni chapters in the cities of Bangalore, Chennai, Hyderabad, Mumbai and New Delhi, the Thunderbird School of Global Management established a Center of Excellence in Mumbai, India in 2021, designed to recruit students, build academic partnerships and engage alumni.

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# 2,280

**alumni** living in India

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# 8,630

**students from India**  
have become ASU alumni since 2012.

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# Alumni

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## Sayantan Mukherjee

Linguistics and applied linguistics, PhD  
Dubrajpur, West Bengal, India

Sayantan's seeks a professorship in India or the U.S. His research broke new ground in gender studies and in issues of colorism. He believes that quality education is "the only way up."

**“ Arizona State University was one of my top preferences because of its faculty strength. I was also aware of the ASU's reputation as a public university that prided itself on diversity and innovation. ”**



## Sangeeta Agarawal

Computer Engineering, MS

Sangeeta did groundbreaking work in mobile application research while at ASU. She became an oncology nurse and founded Helpsy Health, a virtual whole-health nurse platform for practitioners. The company has helped more than 20,000 patients so far and is used by thousands of employers across the country.

**“ ASU was very helpful to students like me who didn't know anyone or anything. I got a lot of support, emotional as well as logistical. I had a host family who adopted me — if I had a flat tire or a really bad day, I had someone who treated me like family. ”**



## Akanksha Mohla

Supply chain management, MBA  
Mumbai, India

Akanksha is now working as a global supply planning specialist for Mattel. She says the best part about her program was its holistic approach.

**“ If you love logistics, that's great, but you're still not getting by unless you see how it's connected to after-sales support. And finance. And R&D. And international affairs. And technology. It's all about the big picture. ”**

# Entrepreneurship

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# 160+

**companies have launched**

based on ASU innovations,  
attracting more than

**\$833 million**

in external funding.

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# #12

among universities  
worldwide for U.S.  
patents issued

# 980

U.S. patents  
issued  
in 2020

# 306

invention  
disclosures  
in 2020

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## Projects



### Neolight

[theneolight.com](http://theneolight.com)

A **team of ASU alumni**, including several students from India, transformed an idea into a medical tech startup called Neolight. Neolight develops phototherapy devices to treat jaundice in newborns. The condition is easily treatable, but access to devices and electricity is scarce in developing countries. Neolight offers a compact LED device that can run on solar power to make treatment more practical and save lives.



### Renewlogy

**Alicia Marseille**, director of innovation in the Julie Ann Wrigley Global Institute of Sustainability, was director of the Resource Innovation and Solutions Network Incubator at ASU from 2017 to 2019. There, she worked with 16 early-stage companies. One of those startups is Renewlogy, which takes low-value packaging like granola bar wrappers and turns it into diesel. According to Marseille, the company will soon build a microfactory in India to work with garbage pickers there, most of whom are women.

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# Entrepreneurial leaders at ASU

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**Sethuraman "Panch" Panchanathan** in June 2020 was appointed by U.S. President Donald Trump as the 15th Director of the National Science Foundation. Panchanathan previously spent more than 20 years in leadership positions at ASU, including service as executive vice president of ASU's Knowledge Enterprise and chief research and technology officer for ASU. He is officially on an extended leave of absence from the university as he devotes his time to advancing the U.S. science and technology agenda on a national and global scale.



Regents Professor **Aditi Chattopadhyay** is the Ira A. Fulton Chair Professor of mechanical and aerospace engineering in the School for Engineering of Matter, Transport and Energy and the director of Adaptive Intelligent Materials and Systems Center at ASU. She is a fellow of the American Institute of Aeronautics and Astronautics.



Regents Professor **Vijay Vittal** is an ASU Foundation Professor in Electric Power Systems in the School of Electrical, Computer and Energy Engineering. He is an elected fellow of the National Academy of Engineering and IEEE. His expertise is in the field of large-scale power grids — the transmission, distribution and security of energy infrastructure, including smart-grid and renewable energy technologies. One of his pioneering contributions has been the development of methods for dealing with fluctuations on the power grid due to renewable energy sources.

# Academic partnerships in India

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## **ASU-Cintana Institution**

Comprehensive partnership with multiple levels of engagement

6

## **General collaboration agreements**

University-to-university agreements

4

## **Collaborative degree programs**

International accelerated degree programs

1

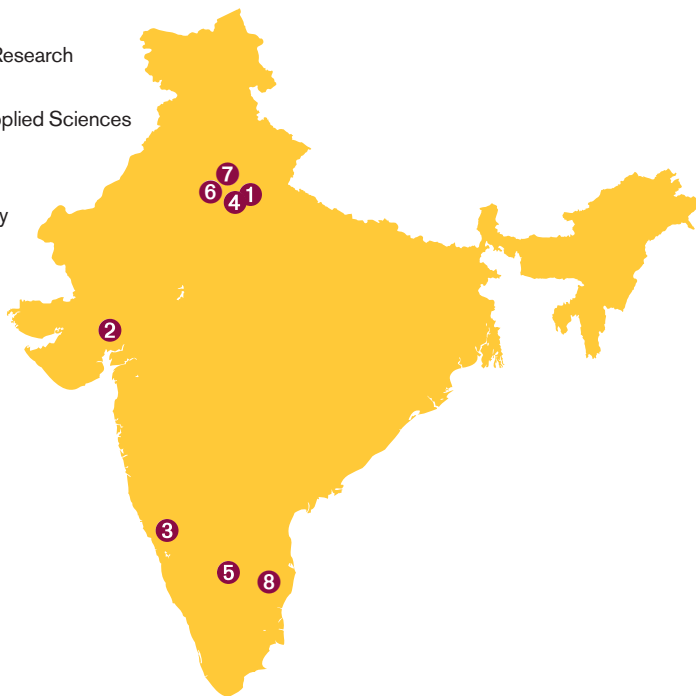
## **Memorandum of understanding**

Signed agreements between universities

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## University partners

1. Amity University
2. Anant National University
3. Chhatrapati Shahu Institute of Business Education and Research
4. GD Goenka University
5. MS Ramaiah University of Applied Sciences
6. Northcap University
7. O.P. Jindal Global University
8. Vellore Institute of Technology



# Academic partnerships and programs

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## **ASU-Cintana Alliance — Northcap University**

The ASU-Cintana Alliance is an international network of innovative and forward-looking universities working together to meet the rising global demand for higher education. Alliance members participate in a comprehensive partnership with multiple levels of engagement that include collaborative degree programs, international exchange programs for students and faculty and collaboration opportunities.

The ASU-Cintana Alliance partner in India is Northcap University, a private university established in 1996. NCU's three main colleges include Law, Business and Engineering, all of which offer bachelor's, master's and doctoral degrees. NCU is among the top 200 Indian universities in the 2020 National Institutional Ranking Framework instituted by the Indian Ministry of Education. In addition, the School of Engineering at NCU is consistently ranked among the top engineering schools in the country by NIRF and is ranked as the number one private engineering school in the state of Haryana, India. NCU sits in the National Capital Region of India which also is a leading financial and banking center in the country after Mumbai and Chennai.

ASU currently has a 1+1 dual degree program with NCU in which students will receive an MBA from NCU and a Master of Science in organizational leadership from ASU upon successful completion of all coursework. NCU plans to set up more dual degree programs with various degree programs at ASU and to grow enrollment to 15,000 students, with about 9,000 on the physical campus and the remaining students online.

## **South Asia Council at ASU**

ASU is an institutional member of both the American Institute of Indian Studies, and the American Institute of Pakistan Studies and regularly partners and collaborates with colleagues in South Asia for a variety of research and programmatic projects.

Members include:

**Yasmin Saikia**, Hardt-Nickachos Chair in Peace Studies at the Center for ASU's Study of Religion and Conflict and a professor of history in the School of Historical, Philosophical and Religious Studies. Her work focuses on the histories of memory and identity; women, war, and peace; and histories of premodern and contemporary South Asia.

**Chad Haines**, associate professor in the ASU School of Historical, Philosophical and Religious Studies and the School of Politics and Global Studies and the Center for the Study of Religion and Conflict. He is a cultural anthropologist whose interests are broadly concerned with urbanism, modernity and the contemporary Muslim world.

**Rimjhim Aggarwal**, associate professor in ASU's School of Sustainability, the first school of its kind in the U.S. Her current research examines the impacts of globalization and climate change on agricultural and water governance, farm livelihoods, and food security in India, Nepal, Thailand and Arizona.

# Academic partnerships and programs

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## **Saikia's and Haines' partnerships and work**

Professors Saikia's and Haines' partnerships in India include a collaboration with Aligarh Muslim University and the University of Science and Technology, Meghalaya. They have held workshops on both campuses for faculty and graduate students for research development and have recently submitted a research proposal in collaboration with AMU through the SPARC program initiated by the Government of India. Additionally, Professor Saikia works with the Indian Institute of Technology Gandhinagar to develop new courses for teaching social sciences and humanities at the graduate level. Both professors have applied for a Global Initiative for Academic Networks grant to facilitate these efforts.

## **Aggarwal's partnerships and work**

In her partnership with Amrita University in Kerala, India, Professor Aggarwal has co-developed a joint course in sustainability development to be offered at ASU and Amrita University in 2020–21. She has also supported Fulbright India scholars, teaching and research with the Indian Institute of Technology in Delhi. Her research efforts and partners have included NGOs, including Integrated Research and Action for Development, Delhi; Foundation for Ecological Security; and Center for Environmental Education, Ahmedabad. In addition, she co-led a team from ASU that designed a joint program with Jain Irrigation Systems Limited, organizing international leadership training programs for more than 300 youth from more than 25 countries from 2012 to 2016.

## **School of Human Evolution and Social Change**

In collaboration with the International Alliance for the Prevention of AIDS, this program provides a unique global health volunteer internship in Chennai, India to ASU students. This summer internship program allows students to gain hands-on experience in the field of global health through teaching HIV/AIDS prevention in classrooms in rural villages and working with other organizations in the community.

## **Exchange Program — USAC: Summer in Bengaluru, India**

Exchange programs to Bengaluru, India, known as the “Garden City” and the hub of India's technology and business revolution, allow students to study at one of India's finest educational institutions, Christ University, and volunteer at the Center for Social Action, a student-run service organization. Students also have the opportunity to enjoy cultural immersion activities, such as volunteering in a local village or helping in a nearby hospital. Students are also paired with Indian “buddies” to help orient them to the university and its surrounding areas.

## **SCETL Leadership and Service Global Intensive Experience: India**

Students in this leadership program participate in peer-to-peer workshops with students from Delhi University and Mayo College in Ajmer. Students have the opportunity to develop and implement a service project with a partner NGO in rural Rajasthan to embody Mahatma Gandhi's exhortation to “be the change you wish to see in the world.”

# Academic partnerships and programs

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## O. P. Jindal Global University

ASU works with leading international partner universities to offer accelerated international pathway programs that allow motivated Indian students to complete one-year master's degree at ASU. Thunderbird School of Global Management and JGU established three IADP collaborative degree programs.

## Dual Degree Program with Vellore Institute of Technology

The 2+2 international academic program developed by the W. P. Carey School of Business and Vellore Institute of Technology allow students to study two years at VIT and two years at ASU to receive their undergraduate degrees from both institutions.

## Global initiatives

### The Francis and Dionne Najafi Global Initiative

Toward the goal of educating 100 million learners by 2030, the Francis and Dionne Najafi Global Initiative contributes \$25 million to the Thunderbird School of Global Management for an accredited online Global Management and Entrepreneurship certificate consisting of five world-class courses in 40 languages. Of the 100 million learners the program will reach worldwide, it is estimated that 70% will be women and young women. Never before has such an ambitious global higher education program been launched. The certificate will be covered by full scholarships; there is no cost to students because of the philanthropic support undergirding the initiative. In year one, the initiative aims to reach learners in their native languages in Iran, Kenya, Mexico, Indonesia, Egypt, India, Senegal, Brazil, and Vietnam. By year two, the program will be expanded to at least 25 languages across Africa, the Middle East, Asia and Latin America. By year four (perhaps earlier), the program will have expanded to Europe and Central Asia and comprise 40 languages.



## Margaret Zheng

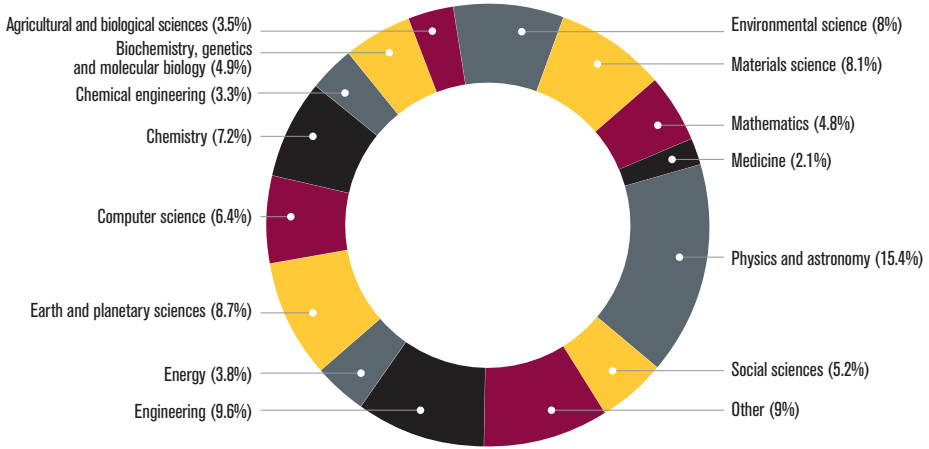
SCETL Leadership and Service in India  
Biological Sciences and Chinese Language

“ Going to India helped me gain a new understanding of the philosophy that stands behind nonprofit work. This trip solidified my future goal of wanting to work in the nonprofit sector. Having the Boren Scholarship allows me to have first-hand experience regarding the issues I'm trying to address and resources that can help me implement solutions. ”

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# Research funding

## 2018–2022 papers co-authored by ASU and India researchers



**381**

**papers were co-authored with 202 collaborating institutions  
between 2018 and 2022.**

**More than  
\$6 million**

**in funding, for 17 grant awards in the last 10 years**

Six current grant awards from the U.S. and India support ASU researchers' projects in India. Funders include the National Endowment for the Arts, the National Science Foundation, the Indo-U.S. Science and Technology Forum, the Peter Kiewit Foundation and Tata Steel. The projects include support for an Indian Legal program travelling classroom, examination of carbon capture in the Southeast Indian Ocean and an analysis of steel to the study of primate and mammalian evolution, assessment of the partitioning of peoples within South Asia, as well as support for the development of diagnostic tests for distinguishing COVID-19 from other viral infections.

# Featured faculty

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**Subbarao Kambhampati** is a professor in ASU's School of Computing, Informatics and Decision Systems Engineering. In 2019, he was elected to the Association for Computing Machinery, the world's largest educational and scientific computing society.

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**Meenakshi Wadhwa** is the director of the School of Earth and Space Exploration at ASU. She is also a collaborating scientist on the Sample Analysis at Mars instrument on the Mars Curiosity Rover and a science team member on the Japanese Hayabusa2 sample return mission to asteroid Ryugu.

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**Arunachala Kannan** is a professor in ASU's Ira A. Fulton Schools of Engineering. He has been involved in fuel cell and battery research and development for more than 30 years.

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**Tanmay Vachaspati** is a theoretical physicist at ASU. He has written extensively on topological defects with an emphasis on cosmic strings, and on the generation, evolution and observation of primordial magnetic fields.

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**Minu Ipe** is the managing director and vice chair of the University Design Institute at ASU, where she advises the university president and helps advance the design and culture of ASU.

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**Pavan Turaga** is the director of the School of Arts, Media and Engineering in ASU's Herberger Institute for Design and the Arts and an associate professor in the School of Electrical, Computer and Energy Engineering. He specializes in trying to find ways to revolutionize how machines learn and think. Last year, he won a \$1.2 million grant from the National Institutes of Health to research wearable technology.

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