



KALASALINGAM
ACADEMY OF RESEARCH AND EDUCATION
(DEEMED TO BE UNIVERSITY)
Under sec. 3 of UGC Act 1956. Accredited by NAAC with "A++" Grade



THE - Impact Rankings 2026



**Strengthen the means of implementation and revitalise
the Global Partnership for Sustainable Development**

17.2.4 Collaboration for SDG best practice

Kalasalingam Academy of Research and Education (KARE) actively collaborates with multiple stakeholders to adopt and implement SDG best practices that create meaningful and sustainable impact. The university recognizes that achieving the Sustainable Development Goals (SDGs) requires collective action, shared expertise, and multi-sectoral partnerships. Through strategic collaborations with NGOs, government agencies, industry partners, and local communities, KARE integrates sustainability into education, research, community engagement, and institutional operations.

1. Collaboration with NGOs and Community Organizations

KARE partners with various local and regional NGOs to address pressing community needs aligned with SDGs. These collaborations include:

- Joint implementation of community development projects.
- Health, education, and environmental awareness campaigns in rural areas.
- Skill-development and livelihood-enhancement programs for women, youth, and marginalized groups.
- Participation of students and faculty in community-based research, field studies, and extension activities.

These partnerships strengthen grassroots interventions and ensure that SDG actions remain context-specific and community-driven.

2. Collaboration with Government Bodies

The university maintains strong linkages with district administration, local panchayats, and state-level departments to support SDG-aligned initiatives. These include:



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- Supporting government-led health, education, and environmental programs through technical expertise and volunteer involvement.
- Aligning academic research projects with policy needs, enabling data-driven decision-making.
- Hosting government workshops, awareness drives, and capacity-building programs on campus.
- Working with departments such as Agriculture, Health, Environment, Social Welfare, and Rural Development to implement sustainable solutions.

This engagement ensures that university research and community service directly contribute to policy execution and regional development.

3. Collaborative Research and Knowledge Exchange

Through MoUs with national and international institutions, KARE engages in collaborative research addressing SDG themes such as clean energy, water conservation, climate action, public health, and quality education. These collaborations include:

- Joint research proposals.
- Shared data collection and analysis for SDG monitoring.
- International conferences, symposiums, and expert lectures.
- Student and faculty exchange programs for cross-cultural and interdisciplinary learning.

4. Student Engagement in SDG Initiatives

Students play an active role through:

- SDG-focused clubs and innovation forums.
- Field visits, internships, and community-based projects with NGOs and government agencies.
- Participation in national and international competitions and hackathons that address global sustainability issues.

5. Impact

These collaborative practices have resulted in:

- Strengthened community outreach.
- Enhanced research output tied to SDG impact.
- Improved policy-level contributions.



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- Increased awareness and participation in sustainable development among students and faculty.
- Stronger regional and global networks dedicated to sustainability.

International Community Engagement

Kalasalingam Academy of Research and Education (KARE) actively promotes international community engagement by collaborating with global universities and organizations to address real-world social challenges. These initiatives enable students to work in multicultural teams, apply interdisciplinary problem-solving, and contribute to meaningful community development projects.

Key Engagement Initiatives

1. Collaboration with Purdue University & Indiana School of the Visually Challenged (USA)

Two student teams from KARE are working jointly with Purdue University and the Indiana School for the Visually Challenged on innovative solutions to support individuals with visual impairments.

This collaboration focuses on:

- Assistive technology development
 - Accessibility enhancement
 - Community support systems for visually impaired individuals
- This partnership promotes SDG 3 (Good Health & Well-being), SDG 4 (Quality Education), and SDG 10 (Reduced Inequalities).

2. Collaboration with the University of Texas at Dallas (USA)

A dedicated student team from the University of Texas at Dallas collaborates with KARE students on Amar Seva Sangam (ASSA) problem statements related to disability inclusion and rehabilitation technology.

This initiative supports:

- Product design for differently-abled individuals
 - Digital platforms for rehabilitation
 - Community-centered solutions
- This aligns with SDG 3, SDG 9 (Industry, Innovation & Infrastructure), and SDG 17 (Partnerships for the Goals).



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3. Collaboration with City, University of London (UK)

A student team from City, University of London works jointly with KARE students on ASSA community problem statements, focusing on:

- Development of inclusive technological solutions
- User-centered design for rural disability services
- Data-driven approaches for community empowerment

This strengthens global collaboration and contributes to SDG 3, SDG 4, and SDG 17.

International One-Credit / Two-Credit / Three-Credit Courses Conducted at KARE

Kalasalingam Academy of Research and Education (KARE) regularly offers specialized credit courses delivered by internationally acclaimed professors and researchers. These courses enhance global academic exposure, promote multidisciplinary learning, and equip students with advanced technical skills aligned with industry and research demands.

1. Two-Credit Course by Prof. Dr. Yo-Lun Yang

National Taipei University of Technology (Taiwan)

Course Title: *Materials Behaviour, Characterization and Simulation for Metal Forming*

Duration: 08.10.2023 – 10.10.2023

Credit: 2 Credits

Participants: 50 students (2nd & 3rd year Mechanical Engineering)



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Highlights:

- Covered advanced topics in material behavior, microstructure analysis, and forming simulations.
- Introduced cutting-edge metal forming techniques used in manufacturing industries.
- Hands-on demonstrations of material characterization tools and simulation software.
- Strengthened students' understanding of material deformation mechanisms and industrial applications.

2. Three-Credit Course by Prof. Dr. Arulkumar Mariyappan

Scientist, Los Alamos National Laboratory (USA)

Course Title: *Machine Learning Approach*

Duration: July – September 2023

Credit: 3 Credits

Participants: 47 students

- Mechanical Engineering – 28
- Automobile Engineering – 13
- Computer Science Engineering – 6



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Highlights:

- Provided an extensive introduction to machine learning algorithms and real-world engineering applications.
- Included practical sessions using datasets related to mechanical systems and scientific computing.
- Students developed ML-based prediction and optimization models relevant to engineering problems.
- Promoted interdisciplinary learning by integrating ML concepts with mechanical and automotive domains.

Impact of the International Credit Courses

- Enhanced global exposure for students through direct learning from international experts.
- Improved understanding of advanced engineering concepts and modern computational tools.
- Encouraged research-oriented thinking and cross-disciplinary collaboration.
- Strengthened students' readiness for higher studies, industry careers, and international internships.

KARE's Collaboration with International University/Institution (2023-2024)



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During the academic year 2023–2024, Kalasalingam Academy of Research and Education (KARE) significantly strengthened its global presence through active collaborations with several international universities, research institutes, and global organizations. These partnerships aim to promote academic excellence, faculty development, student mobility, joint research, and global exposure aligned with international standards.

S.NO	Name of the institution/ industry/ corporate	Country	Year
1	Indiana University –kokomo, USA	USA	2023
2	CITY University of london	United Kingdom	2023
3	Tunghai University,	Taiwan	2023
4	INTI Internatioanl University& colleges	Malaysia	2023
5	UTAR (Universiti Tunku Abdul Rahman, Malaysia)	Malaysia	2023
6	University of North Carolina Wilmington (UNCW)	USA	2023
7	Infrastructure University , Kuala Lumpur	Malaysia	2023
8	Hutech university of technology	Vietnam	2023
9	National Chung Cheng university, (study abroad program Agreement)	Taiwan	2023
10	Adamson University	Philippines	2023
11	Biliran Provinance state University (BIPSU)	Philippines	2023
12	National Ilan University	Taiwan	2023
13	Skyline University College	Sharjah , UAE	2023
14	Ministry of Education and Ministry of Innovation and Technology (MIOT)	Ethiopia	2024
15	National Yunlin University of Science and Technology	Taiwan	2024
16	Universities Of west Indies	West Indies	2024
17	National United University	Taiwan	2024
18	Binghamton university	USA	2024
19	Northern Illinois University	USA	2024
20	Oakland University	USA	2024
21	Universutas Negeri Surabaya	Indonesia	2024
22	Tharaka University	Kenya	2024
23	Universitas Negeri Yogyakarta	Indonesia	2024
24	University of Santo Tomas	Philippines	2024



25	Taiwan education and cultural centre in india	Taiwan	2024
26	University of Cagliari	Italy	2024
27	Toledo University	USA	2024

KARE students in Semester Exchange / Internship / 2+2 Program at Foreign Universities

Kalasalingam Academy of Research and Education (KARE) actively encourages global learning through its international mobility initiatives, enabling students to gain academic, research, and cultural exposure in reputed foreign universities. Through structured Semester Exchange Programs, International Internships, and the 2+2 Dual Degree Program, KARE students continue to participate in transformative global education experiences.

Sno	Name	Register No	Year	Abroad University	Country
1	Bandi lakshmi Indra sena Reddy	9921004070	2023 (semester programme)	Asia University	Taiwan
2	Konduju Gunasri	9921004356	2023 (semester programme)	Asia University	Taiwan
3	Kathula Hareesh	9921004332	2023 (semester programme)	Asia University	Taiwan
4	Maram Nikhil	9920009035	2023 (semester programme)	Asia University	Taiwan
5	Valaboju Naveen Chary	9920009059	2023 (semester programme)	Asia University	Taiwan
6	Veerni Mohan sri Nagendra Vara Kumar	9920009048	2023 (semester programme)	Asia University	Taiwan
7	Kasi Viswanath Nilla	9920004220	2023(Globalink Research Internship)	Mitacs	Canada
8	Jyothi Sri	99210041305	2023 (2+2 programe)	Toledo university	USA
9	Syamsundar	9921004489	2023 (2+2 programe)	Toledo university	USA
10	Uma Maheswar	9921004436	2023 (2+2 programe)	Toledo university	USA
11	Karanam Sai Sharvan	99210041052	2023 (2+2 programe)	Toledo university	USA
12	Lakshmi Venkat	99210041112	2023 (2+2 programe)	Toledo university	USA



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13	Varshita	9921004362	2023 (2+2 programe)	Toledo university	USA
14	Valamudi Venkata Naveen	9920004731	2023 (semester programe)	Tamkang university	Taiwan
15	Raghuram Sankar	9920002003	2023 (Internship)	National Ilan University	Taiwan
16	Pardhiv Manikanda sai iprinki	9921005163	2023 (semester programe)	National Dong Hwa University	Taiwan
17	Niraj Rambhau Sumatkar	9920002010	2023 (Internship)	National Ilan University	Taiwan
18	K Tejonath Reddy	9920004714	2023 Internship (iipp)	Asia University	Taiwan
19	Shamuruthi	9920004124	2023 Internship (iipp)	Chaoyang University of Technology	Taiwan
20	Batchu Shyam kumar	99200044773	2023 Internship (iipp)	Chaoyang University of Technology	Taiwan
21	Tavva Amruth Chenchu Rajesh	9920004133	2023 Internship (iipp)	Chaoyang University of Technology	Taiwan
22	Ahmad Mohiuddin	9920004716	2023 Semester Exchange	Kanazawa University	Japan
23	Alan John	9922150010	2023 (1+1 Programe)	Indiana University	USA
24	Devarapelly Aniruth Reddy	9921004169	2023-2024 INTERNSHIP (IIPP)	National Yun Lin university of Science and Technology	Taiwan
25	Jibrán Gulzar	9920004670	2023 Internship	Universitas Indonesia	Indonesia
26	Narisetty Sanjay	9921004940	2024 (2+2 programe)	Toledo University	USA
27	Chekka Sai Krishna	9921004132	2024 (2+2 programe)	Toledo University	USA
28	Unnam Nawya	9921004735	2024 (2+2 programe)	Toledo University	USA
29	Bandaru Sathwika Raj	9921004066	2024 Semester Exchange programe	Cracow University	Poland



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30	Bhandhewar Spandhana	9921004087	2024 Semester Exchange programe	Cracow University	Poland
31	Ram Charan Golla	9921004226	2024 Semester Exchange programe	Cracow University	Poland
32	Sheik Abdul Rahuman	9922008260	2024 Semester Exchange programe	UTAR	Malaysia



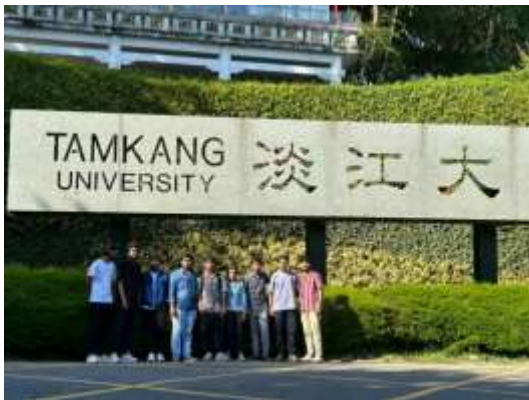


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