

DEVELOPMENT ROADMAP

Asian Institute of Technology



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INTRODUCTION

The QS Stars Development Roadmap builds upon many years of experience collecting institutional data and compiling the QS World University Rankings®. The objective is to provide institutions with a broader range of criteria that allow them to stand out in their particular area(s) of excellence. The QS Stars system evaluates universities against a range of important performance indicators based on a rating method. It awards Stars to an institution according to a range of criteria and can include universities not traditionally well-placed in rankings.

A QS Stars rating can visually signal additional complexity beneath ranking results. It can encourage users and readers to accept that ranking results ought to be understood rather than simply accepted. It can also provide additional important information that is involved in the early stage of the university application decision-making process.

Ratings are not dependent on the performance of other institutions, but relate to an individual institution's performance, which is measured against pre-set thresholds.

Further Assistance

If you need any further help interpreting the content of this report, have any questions or have discovered any anomalies, please contact QS. Detailed feedback and ideas for improvements are also very welcome: if there is any data of interest that could be collected in the future, it can be considered and potentially added to the project.

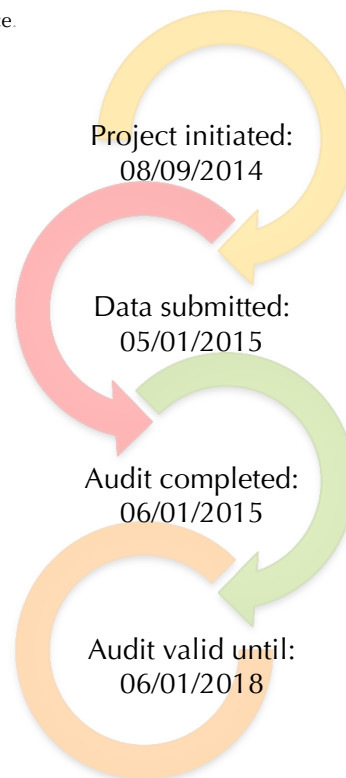
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CORE CRITERIA

The following section of the report contains the results obtained by Asian Institute of Technology in each category of the Core Criteria. These criteria feature the key building blocks of a university whether focused globally, domestically or locally.

TEACHING



A key role of a university is the nurture of tomorrow's finest minds, inspiring the next generation of potential research academics. Typical indicators here are domestic teaching quality assessments, collation of student feedback, national student surveys and student faculty ratios. Indicators for the Teaching category are:

- T1 Faculty student ratio**
The ratio of faculty to students
- T2 Overall student satisfaction / Completion**
Proportion of students expressing satisfaction with overall experience in student survey / Proportion of students scheduled to graduate succeeding in doing so
- T3 Satisfaction with teaching / Faculty with PhD**
Proportion of students expressing satisfaction with teaching through student survey / Proportion of faculty with PhD or equivalent terminal degree
- T4 Further study**
Proportion of students pursuing further study within 12 months of graduation

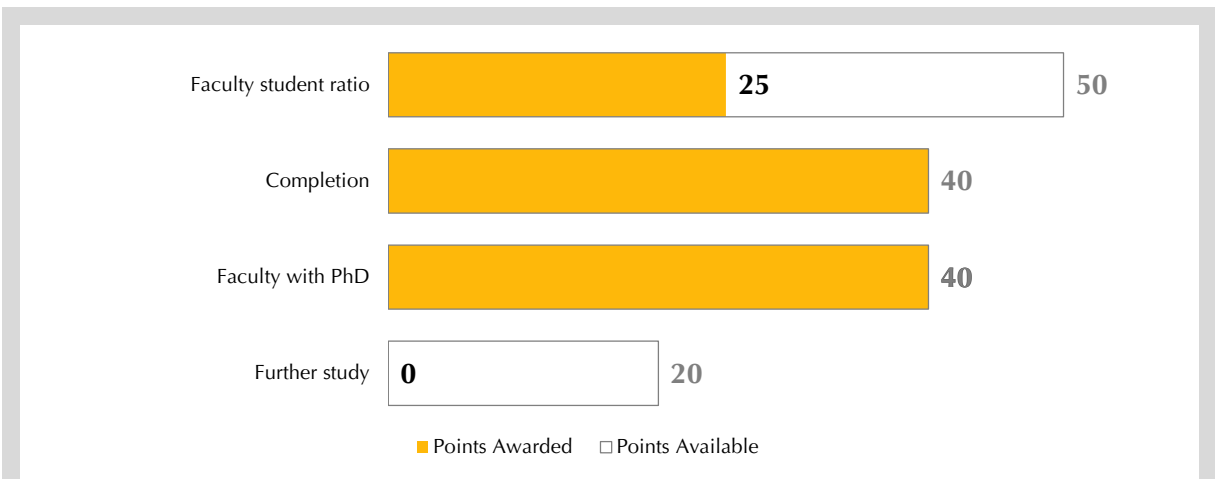


Figure T1: Asian Institute of Technology's performance against indicators in the Teaching category

The above figures outline the performance of Asian Institute of Technology for the Teaching category. AIT has exceeded the minimum scoring level in two of the indicators in this category, its best result are in Completion and Faculty with PhD with 100% of the 40 available points. Asian Institute of Technology has scored a total of 105 points taking it to five stars for this category. The indicators that may most benefit from additional focus is Further study.

CORE CRITERIA

EMPLOYABILITY



Graduate employability encompasses more than academic strength, focusing on ‘work-readiness’ - the ability to work effectively in a multi-cultural team, to deliver presentations, to manage people and projects. Common indicators in this area are surveys of employers, graduate employment rates and level of career service support. Indicators for the Employability category are:

E1 Employer reputation / Campus employer presence

Number of employer referees endorsing institution in QS Global Employer Survey / Number of distinct companies present at events on campus in a recent 12 month period

E2 Graduate employment rate

Proportion of students employed within 12 months of graduation (excluding those not actively seeking work e.g. pursuing further study)

E3 Careers service support

Number of full-time careers advisors or staff in careers department

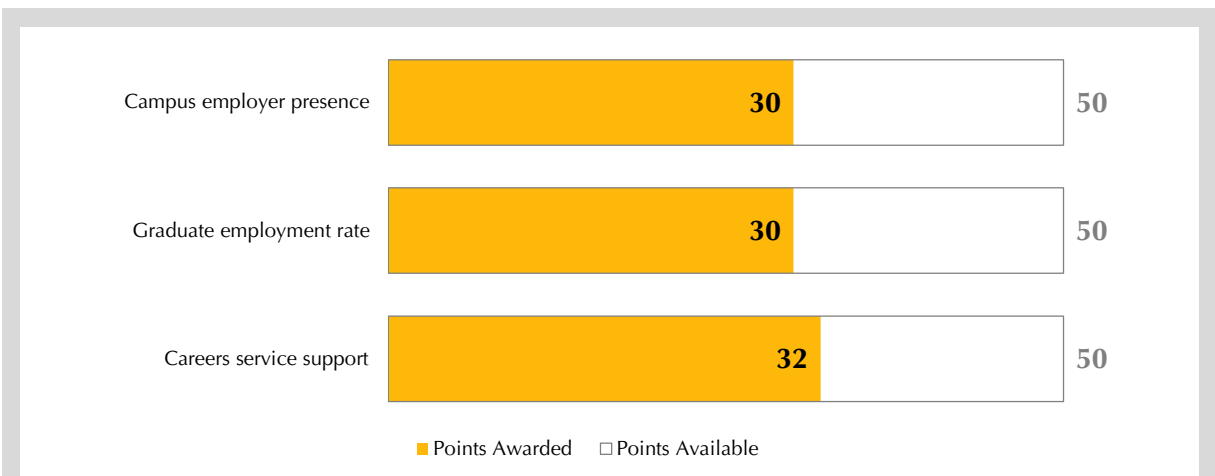


Figure E1: Asian Institute of Technology's performance against indicators in the Employability category

This page describes the performance of Asian Institute of Technology for each indicator in the Employability category. Asian Institute of Technology has met the minimum threshold in all of the indicators in this category, its strongest performance is in Careers Service Support with 64% of the 50 available points. Asian Institute of Technology has scored a total of 92 points qualifying it for four stars in this category. The indicator most open to development is Graduate employment rate.

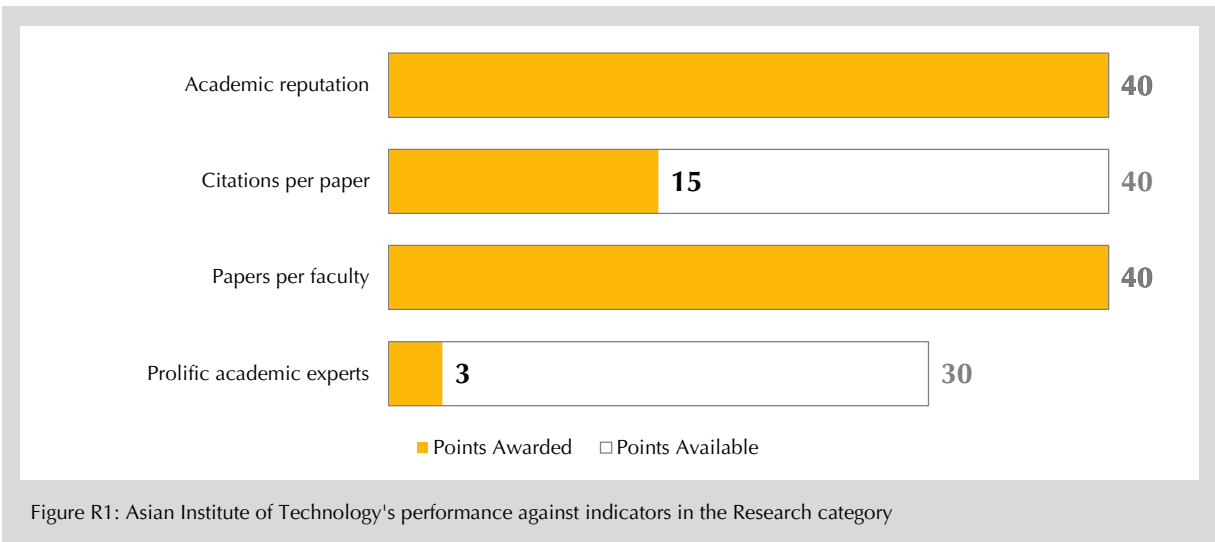
CORE CRITERIA

RESEARCH



Indicators considered here include domestic assessments of research quality, productivity (i.e. number of papers published), citations (i.e. how recognised and referred to those papers are by other academics), awards (e.g. Nobel Prizes or Fields Medals). Indicators for the Research category are:

- R1 Academic reputation**
Number of academic referees endorsing institution in QS Global Academic Survey
- R2 Citations per paper**
Citations per paper – adjusted for institutions with negligible activity in medicine, science and technology
- R3 Papers per faculty / Arts-related outputs**
Research papers (Scopus) per faculty member / Recognition of academic outputs in disciplines where journal articles are not pervasive
- R4 Prolific academic experts**
Number of faculty members achieving international recognition through awards (e.g. Nobel Prizes or equivalent awards)



The above chart displays the performance of Asian Institute of Technology against the maximum number of points available in each Research indicator. Asian Institute of Technology has met the minimum threshold in all of the indicators in this category, its strongest performances are in Academic Reputation and Papers Per Faculty with 40 of the available 40 points. Overall Asian Institute of Technology has scored 97 points in this category qualifying it for four stars herein. The aspect with the best potential for further improvement is Prolific academic experts.

CORE CRITERIA

INTERNATIONALIZATION



Students are studying outside their home countries at higher volumes than ever, and this mobility is accelerating. Universities are changing to meet this demand and leading institutions are at the forefront. For prospective international students, seeing a track-record of an institution for looking after international aspects as well as getting a sense for the international nature of the experience they can expect is increasingly important. Indicators identified to provide this insight are:

- I1 Institutional research collaborations**
University research collaborations or joint degree programs with QS top 500 universities in previous 3 years published rankings
- I2 International faculty**
Proportion of international faculty
- I3 International students**
Proportion of international students
- I4 Inbound exchange students**
Proportion of inbound exchange students
- I5 Outbound exchange students**
Proportion of outbound exchange students
- I6 Religious facilities**
Provision of appropriate facilities for international students of different religions
- I7 International diversity**
Number of nationalities represented in student body

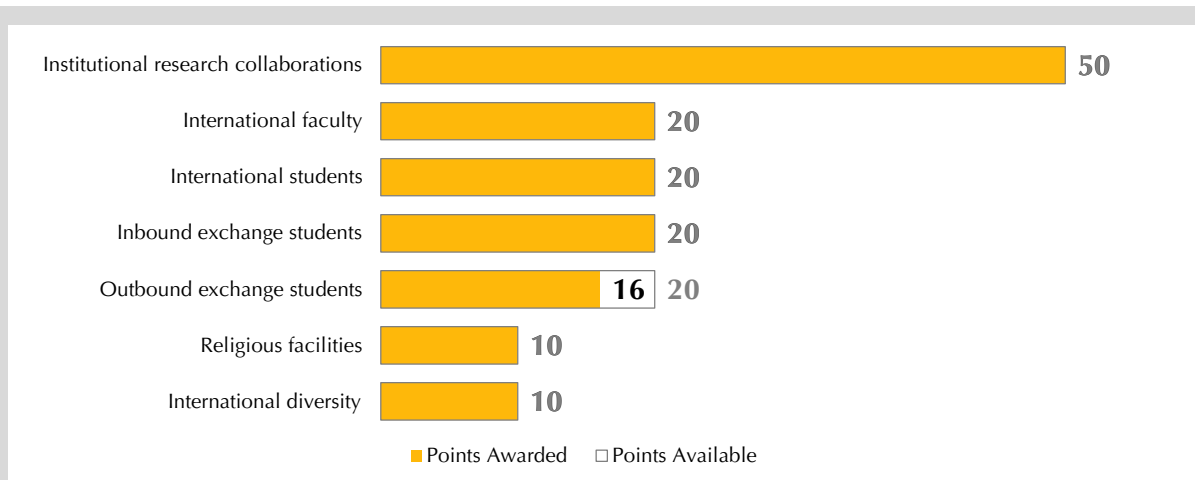
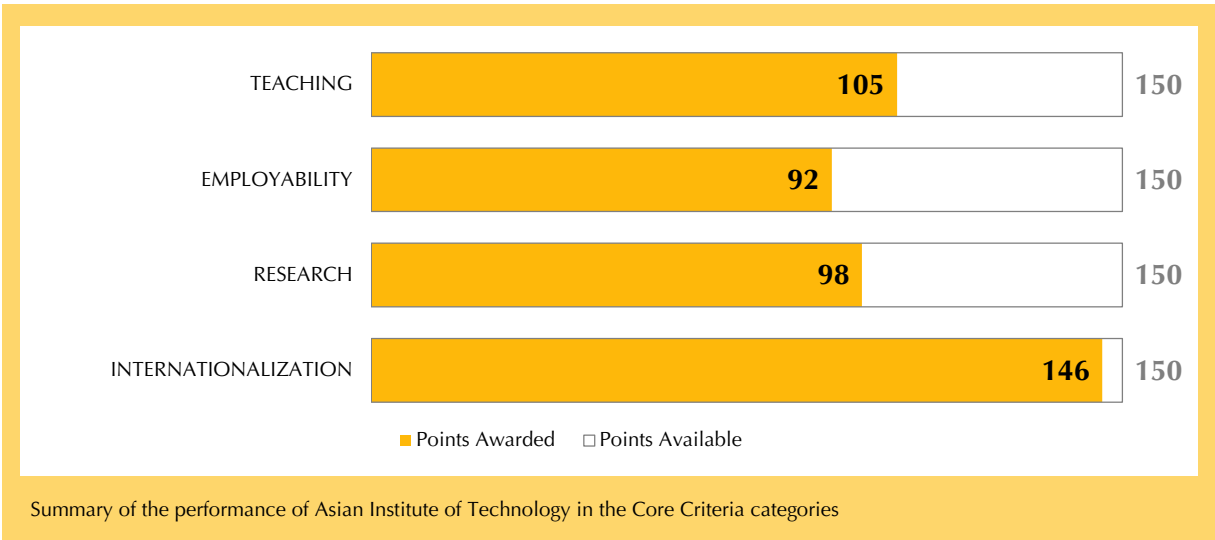


Figure I1: Asian Institute of Technology's performance against indicators in the Internationalization category

In Internationalization Asian Institute of Technology scores 146 of the available 150 points exceeding the minimum in all of the indicators in this category and has achieved maximum results in 6. The aspect within Internationalization with the largest points shortfall is Outbound exchange students.

CORE CRITERIA

CORE CRITERIA SUMMARY



#	Indicator	Points Awarded	Points Available	Stars Awarded
T	TEACHING	105	150	5 Stars
E	EMPLOYABILITY	92	150	4 Stars
R	RESEARCH	98	150	4 Stars
I	INTERNATIONALIZATION	146	150	5 Stars
		441	600	

The above summarizes the performance of Asian Institute of Technology for each category of the Core Criteria. The total number of points that can be achieved within each category is displayed against the number of points achieved by the university. The coloured bars display Asian Institute of Technology’s individual points: an overall 441 were achieved from the total number of points available.

Asian Institute of Technology has exceeded 61% in all areas. The best category results are in Internationalization with 97% of the 150 available points. Asian Institute of Technology has scored a total of 441 points forming a substantial foundation for the overall rating. The category that may most benefit from additional focus is Employability.

LEARNING ENVIRONMENT

FACILITIES



The Facilities category talks about the physical infrastructure of a university, providing students with some insight into the environment they can expect for their university experience. Indicators for the Facilities category are:

- F1 Sporting facilities**
Provision of key, popular sporting facilities (e.g. swimming pool, gym, track, sports court etc...)
- F2 Students accommodation**
Number of student rooms relative to size of student body
- F3 IT infrastructure**
Number of computers on campus; proportion of wired student rooms or campus Wi-Fi coverage
- F4 Library facilities**
Value or number of acquisitions with the past 12 months
- F5 Medical facilities**
Provision of medical facilities appropriate to the size of the student body
- F6 Student societies**
Number of student administered organizations

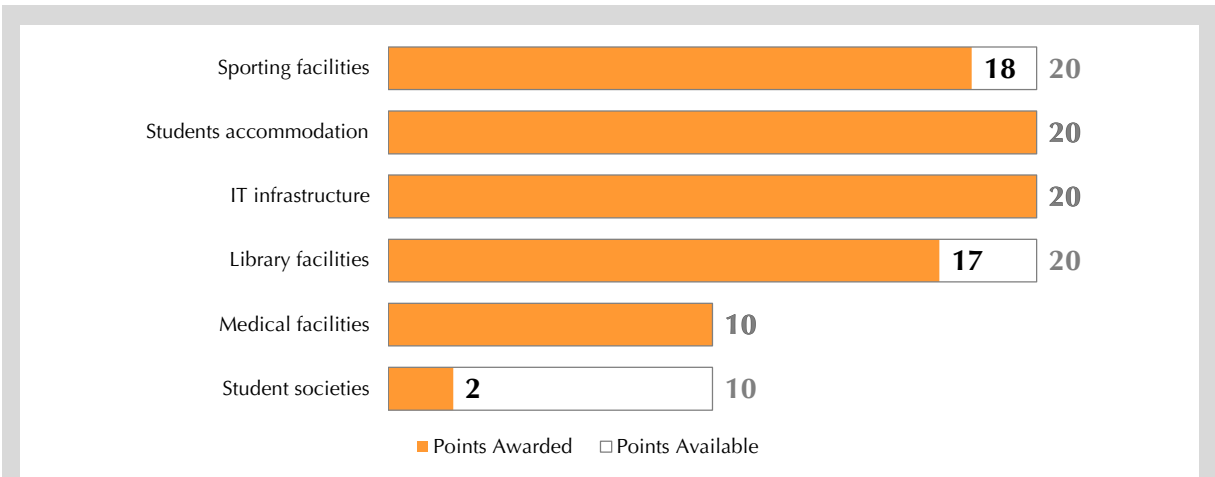


Figure F1: Asian Institute of Technology's performance against indicators in the Facilities category

These are the results for the Asian Institute of Technology Facilities audit. Asian Institute of Technology has exceeded the minimum in all of the indicators in this category and has achieved maximum results in 3. Asian Institute of Technology has scored a total of 87 points taking it to five stars for this category. The area meriting most attention is Student societies.

ADVANCED CRITERIA

For a university to aspire to being truly world-class, its mission and its impact must extend further than the basics. This selection of criteria looks at important factors that a university with a solid foundation in the core criteria might target to advance to a higher level of performance and recognition.

Naturally, we recognize that institutions worldwide can be very different from one another and this section of QS Stars is a key part of its distinction from rankings. Here an institution gets to tailor its evaluation towards the things that is best at. Unlike many ranking systems that apply the same criteria to all institutions, here art schools will not be measured for technology transfer and engineering colleges will not be measured on their contribution to the arts. Specialist institutions will be evaluated on the two advanced categories areas most relevant to them. Comprehensive universities will be evaluated on their two areas of greatest strength and the world's most ambitious institutions may choose to be evaluated in all categories, but the top two areas will be counted towards their overall QS Stars rating. The advanced categories are:

ARTS & CULTURE

INNOVATION

SOCIAL RESPONSIBILITY

INCLUSIVENESS

The highlighted/shaded categories are those included in the QS Stars evaluation for Asian Institute of Technology. A full explanation of what is included in the selected categories is included in the following pages, for details of what is featured in the other categories please visit the QS Intelligence Unit website (www.iu.qs.com) or contact your QS Stars analyst.

ADVANCED CRITERIA

INNOVATION



Universities are increasingly under pressure to, not only conduct research for its own sake, but to drive that towards its destination. Innovation and knowledge transfer are increasingly important priorities for modern, progressive universities. Indicators for the Innovation category are:

V1 Patents

Patents registered with national or international patent offices

V2 Industrial research

Joint research projects with distinct corporations (non-university), yielding publications in Scopus in the last 5 years

V3 Spin-off companies

Spin-off companies established in the last 5 years still operating and no longer requiring support from the university

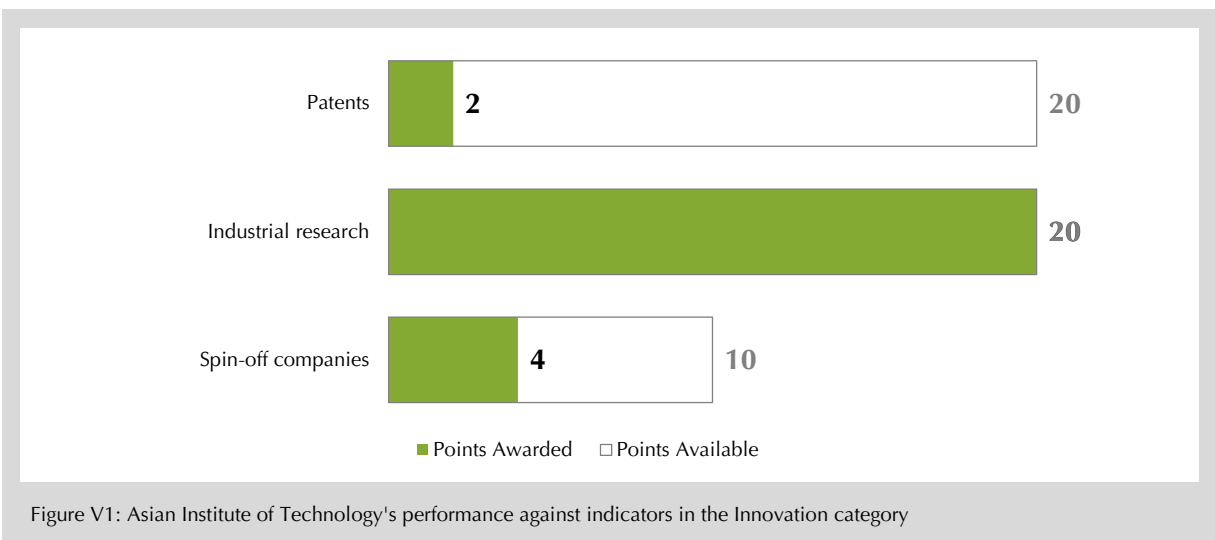


Figure V1: Asian Institute of Technology's performance against indicators in the Innovation category

For Innovation, Asian Institute of Technology scores 26 of the 50 points on offer. AIT qualifies for scores in all of the indicators in this category and has been awarded maximum points in 1. The Innovation indicator with the most potential for improved performance is Patents.

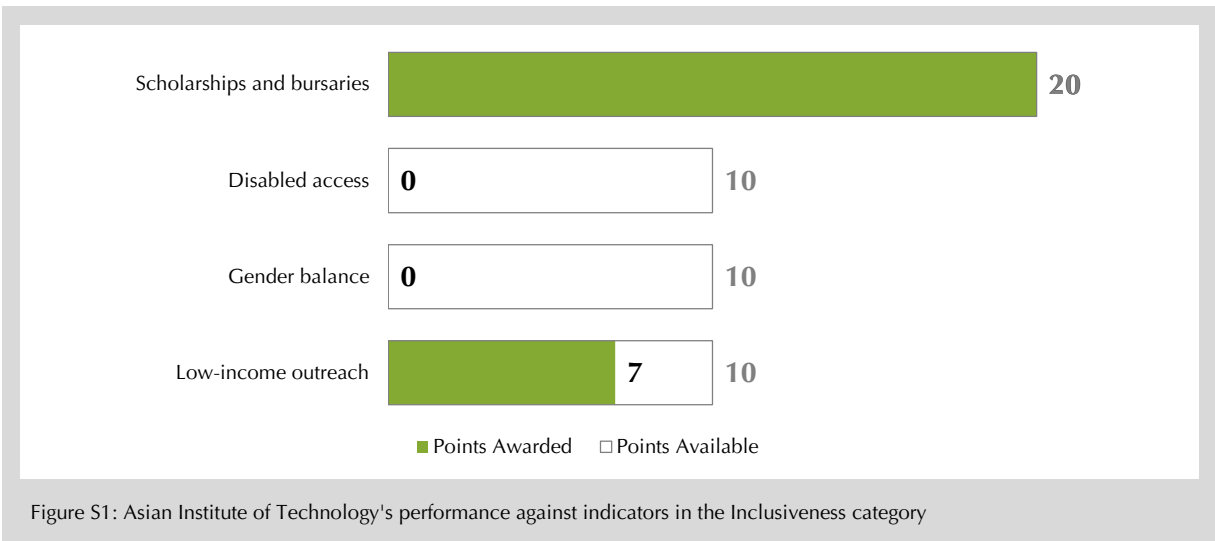
ADVANCED CRITERIA

INCLUSIVENESS



For a university aspiring to become truly world-class, its mission and its impact must extend further beyond the basics. The indicators considered here include: provision of scholarships and bursaries - particularly relevant in today's global trend of higher tuition fees and student assistance policy -, disabled access, gender equality and outreach effort to students from low-income families.

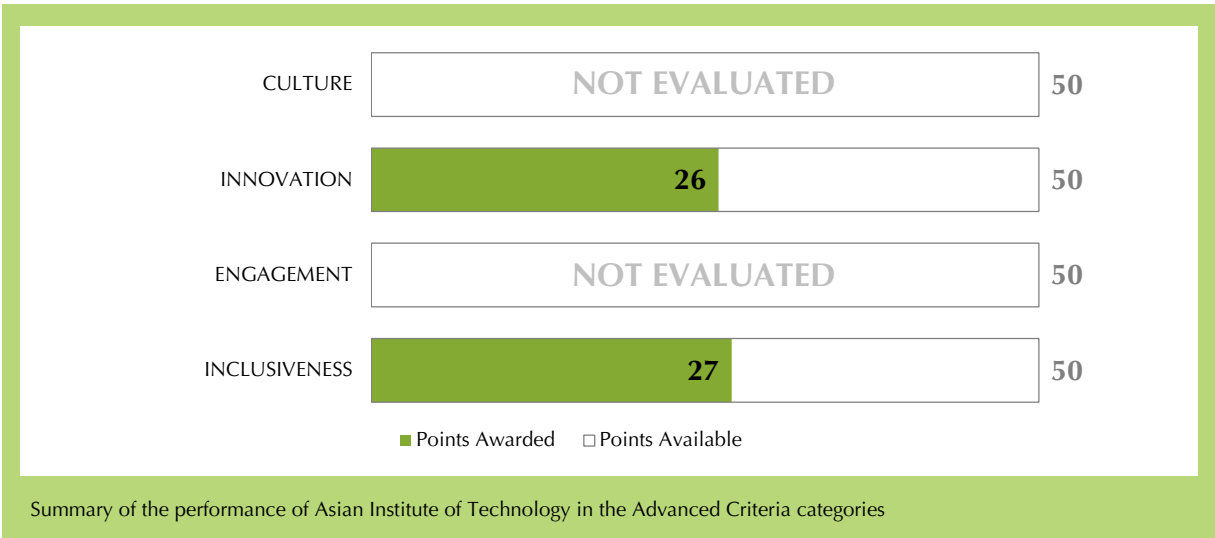
- S1 Scholarships and bursaries**
Financial value of, or number of students granted access through, scholarships
- S2 Disabled access**
Proportion of campus with wheelchair access
- S3 Gender balance**
Recognition of gender parity
- S4 Low-income outreach**
Proportion of students identified as low-income OR investment in promotion to low-income families



For Inclusiveness, Asian Institute of Technology scores 27 of the 50 points available. AIT qualifies for scores in 2 indicators in this category and has achieved maximum points in one, taking it to three stars for this category. The Inclusiveness indicators with the most space for improvement are Disabled Access and Gender Balance.

ADVANCED CRITERIA

ADVANCED CRITERIA SUMMARY



#	Indicator	Points Awarded	Points Available	Stars Awarded
C	CULTURE	N/A	50	
V	INNOVATION	26	50	★ ★ ★
G	ENGAGEMENT	N/A	50	
S	INCLUSIVENESS	27	50	★ ★ ★
		53	100	

The performance of Asian Institute of Technology for each category of our Advanced Criteria are outlined in the above table and chart. The total number of points that can be achieved within each category is displayed alongside the number of points awarded to the institution. The coloured bars reflect AIT’s individual points: an overall 53 were achieved from the 100 points available.

AIT has surpassed 52% in all evaluated areas. The best category results are in Inclusiveness with 54% of the 50 available points. AIT’s total of 53 points represents a healthy contribution to the overall rating. The category that may most benefit from additional focus is Innovation.

SPECIALIST CRITERIA

DISCIPLINE RANKINGS & ACCREDITATIONS



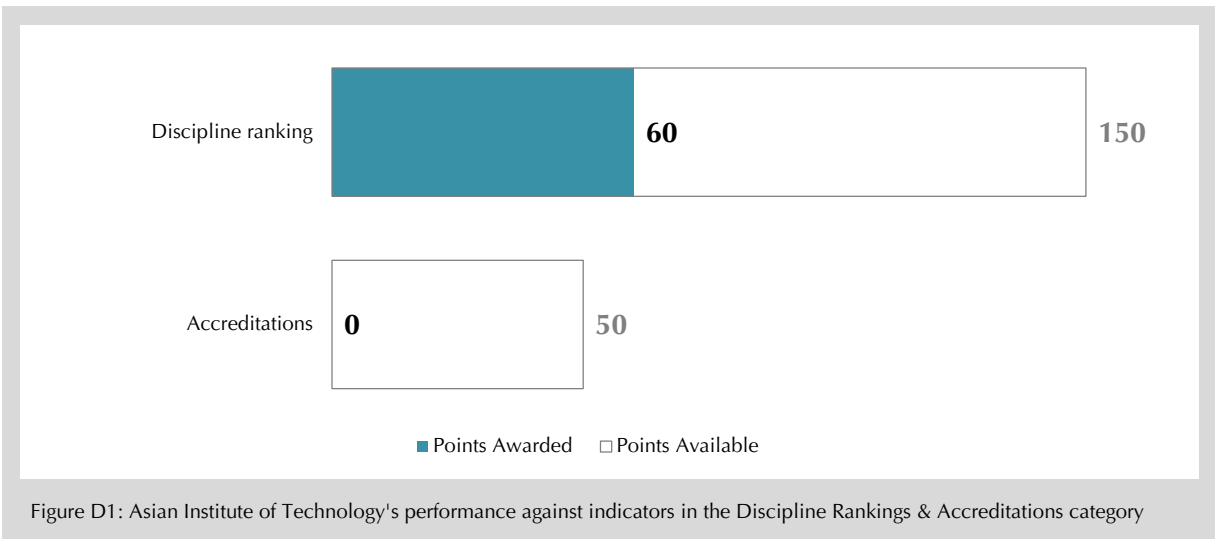
In conventional public rankings, specialist institutions tend to be underrated in favour of comprehensive institutions, yet in their given field they often fully deserve the "world-class" label. Part of the objective of QS Stars is to draw out some of these strengths and enable specialist institutions to rub shoulders with those that perennially find themselves at the top of league tables. As a result the specialist criteria carry a full 20% of the overall system.

D1 Discipline ranking

Ranking performance in any one of five broad faculty areas conducted annually by QS or narrower fields by QS or third-party

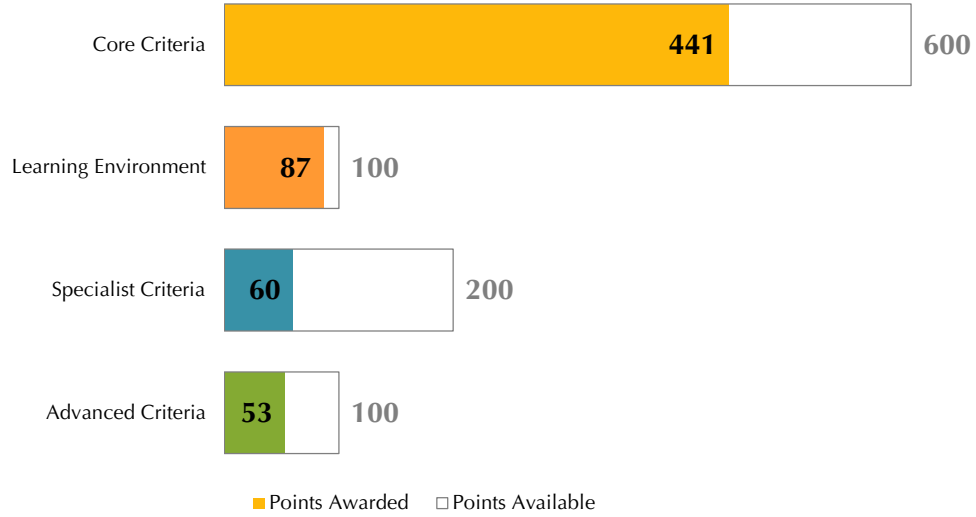
A1 Accreditations

Programs accredited by internationally or domestically recognized and applicable standards



The specialist criteria operate a little different from earlier categories in this methodology. Here, we look at an institution's reputation in broad faculty areas and specific disciplines as well as achievements in accreditations. The performance of Asian Institute of Technology here is driven by its excellence in Engineering & Technology. The total number of points that can be achieved within each category is displayed alongside the number of points awarded to the institution. The coloured bars reflect AIT's individual points: an overall 60 were achieved from the 200 points available.

OVERALL SUMMARY

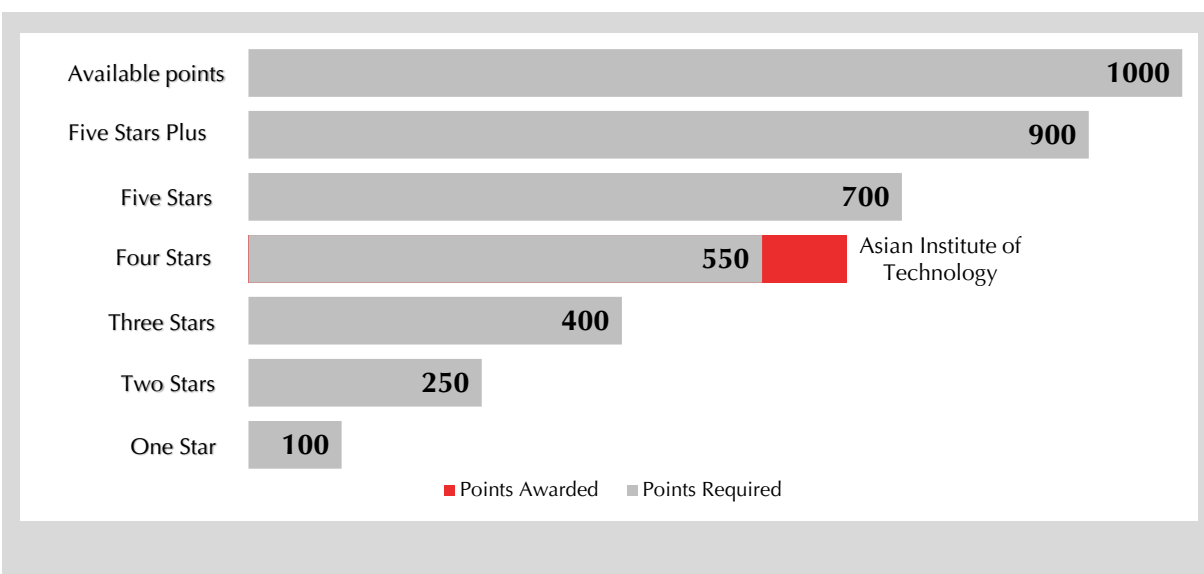


Overall results for Asian Institute of Technology in each category cluster

#	Criteria	Points Awarded	Points Available
A	Core Criteria	441	600
B	Learning Environment	87	100
C	Specialist Criteria	60	200
D	Advanced Criteria	53	100
Overall		641	1000

These are the overall results for Asian Institute of Technology. 641 points were earned from the 1000 points available. As a result, AIT is awarded Four Stars.

OVERALL SUMMARY



The above chart displays the different levels of star ratings available. Each bar indicates the minimum number of points required for the corresponding star level. Asian Institute of Technology has been awarded with Four Stars (the minimum number of points required to achieve Four Stars is 550 points).

#	Category	Points Awarded	Points Available	Stars Awarded
CORE CRITERIA				
T	TEACHING	105	150	5 Stars
E	EMPLOYABILITY	92	180	4 Stars
R	RESEARCH	98	150	4 Stars
I	INTERNATIONALIZATION	146	150	5 Stars
LEARNING ENVIRONMENT				
F	FACILITIES	87	100	5 Stars
O	ONLINE / DISTANCE	N/A	100	
ADVANCED CRITERIA				
C	CULTURE	N/A	50	
V	INNOVATION	26	50	3 Stars
G	ENGAGEMENT	N/A	50	
S	INCLUSIVENESS	27	50	3 Stars
SPECIALIST CRITERIA				
D	DISCIPLINE RANKING	60	150	2 Stars
A	ACCREDITATION	0	50	
OVERALL		641	1000	4 Stars

CONCLUSION

Asian Institute of Technology has achieved a strong performance in several areas of the audit. AIT achieved an outstanding performance by reaching a 'Five Star' rating in the following categories:

- Teaching
- Internationalization
- Facilities

The Employability and Research categories also attracted encouraging results as the institution achieved Four Star ratings. However, there are some indicators that could be improved. These include:

1. Teaching

AIT has 6.1 faculty per 100 students, which is a low ratio for the global context. An improved faculty student ratio could be an indication of a better teaching quality and the university should consider to increase the number of academic staff employed.

2. Employability

The institution has earned Four Stars in this category, contributing positively to its performance. There are many openings for improvement in this sector, by introducing more opportunities for students to access the Career services, possibly with more staff. Increased strategies in producing job-ready graduates could see the institution achieve more points in Graduate employment rate. Improving Employer Reputation as a whole is also important. Working closely with companies and ensuring to send an updated list of employer contacts every year to QS is strongly recommended.

3. Research

Currently, Asian Institute of Technology has an impressive research production level, but receives only 2.3 citations per paper. It is important for the institution to design a solid strategy to increase its research impact. The institution should disseminate its most outstanding research achievements, and to publish outputs with an English abstract in order to ensure their inclusion in Scopus™, the largest abstract and citation database.

4. Internationalization

This is the AIT's strongest category with 97% of available points well-earned. The university has remarkably high proportions of international faculty and international students, from a global perspective. AIT can improve here its exchange agreements for outbound students.

5. Facilities

The institution is providing world-class facilities. There are many sporting facilities and many computers available for students' use, along with Wi Fi access for all the student rooms. Students would benefit from increased library investments and the increased acquisition of new titles. All these aspects would contribute to form a solid study environment. However, additional improvements could be made by encouraging the student body to form more societies and clubs.

6. Specialist Criteria

Asian Institute of Technology has achieved only Two Stars in the specialist criteria. AIT is currently ranked within the top 300 in the QS World University Rankings by Faculty Area in Engineering & Technology. It would be worthwhile for the institution make the necessary efforts to improve its outcomes in Engineering & Technology disciplines, both in reputation and research output. Also, seeking international and domestic subject accreditations for the same courses can help achieving a higher score in this category.

7. Advanced criteria

Innovation category has been rated at Three Stars. In order to foster the innovation it is recommended for the institution to support the establishment of more spin-off companies.

Inclusiveness criteria reveals AIT may want to invest in more disabled access. This could provide opportunities and show consideration for students with disabilities. Also, publishing a disabled access map on the university's website is strongly recommended. A more positive rating could be achieved with a more balanced student population.

QS Intelligence Unit has collected data from Asian Institute of Technology and evaluated it against the QS Stars criteria. Overall the institution has been awarded Four Stars, this is a great achievement considering this is a small institution.