

Digital Talent Report MDEC

2017

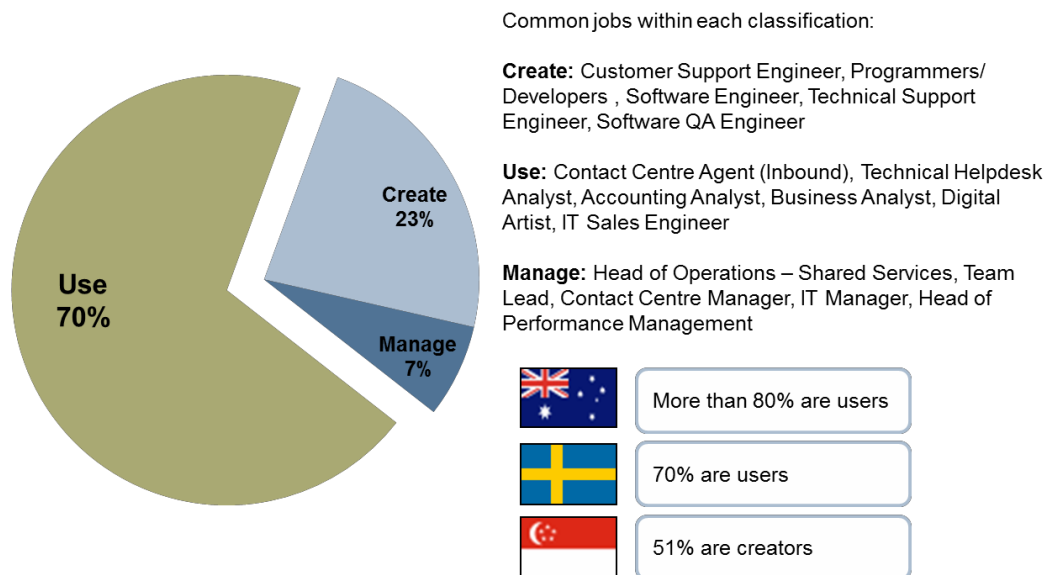
1. 2017 Talent Indicators

As at 2017, an estimated 355,119 employees are engaged in the digital industry in areas such as ICT services, telecommunications, content, and media. The figure excludes employment in ICT manufacturing and trade as the study coverage is in line with MDEC's focus areas. More than 88% of current talents in digital industry are local; with majority having more than 3 years of experience.



2. 2017 Job Functions Trend

Currently 70% of jobs are related to the user group.



3. 2017 Fresh Graduates Average Monthly Salary Trend

Average monthly salary offered to Fresh Graduates in 2017 was between RM2000-RM2750. Top three areas offering highest average salary for fresh graduates include companies in BDA, GBS and Software/ Hardware Development



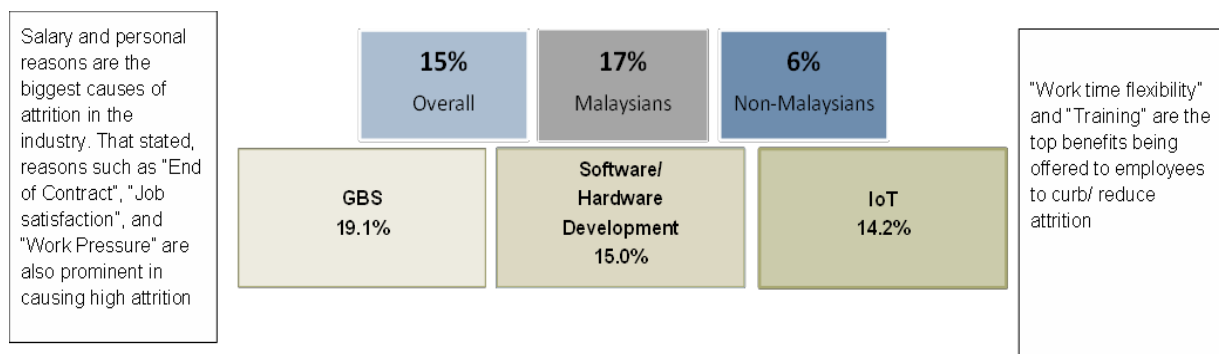
4. 2017 Salary Increment Trend

The average increase in salary for 2017 is estimated at 5.1%. Cybersecurity sector is expected to offer the highest increment rate followed by FinTech and GBS.



5. 2017 Attrition Trend

Average attrition rate was 15% in 2017 and GBS companies recorded the highest followed by companies under Software/ Hardware development and IoT. Interestingly in terms of nationality, there is a lower attrition rate among foreigners compared to locals



6. 2017 Recruitment Criteria

While years of experience are key criteria for hiring staff, CGPA is important for recruiting fresh graduates.



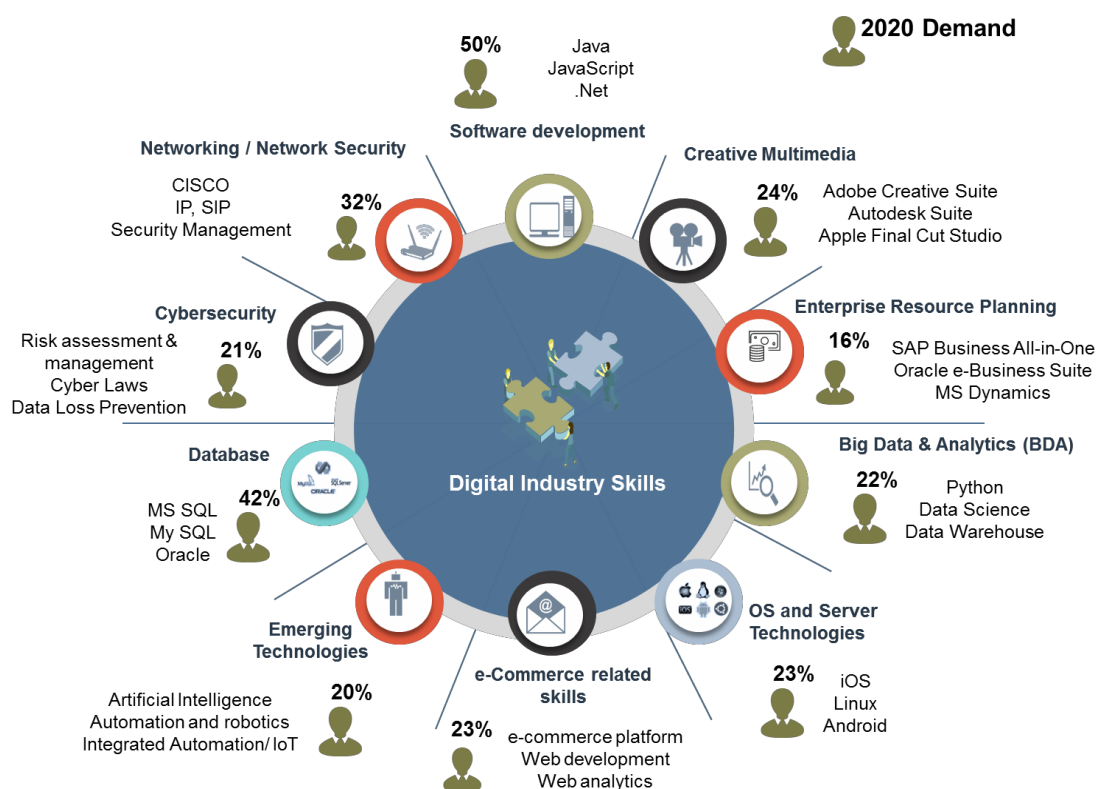
7. Additional Jobs in 2020

Strong government commitment is a critical driver in propelling Malaysia's digital scene. Talent requirement to grow by 15% over the next three years to reach over 540,000 jobs by 2020s due to business expansion and a favourable economic outlook driven by five focus areas.



8. 2020 Skills Demand Trend

By 2020, 50% of the companies would require talent related to software development, followed by database management and networking and network security.



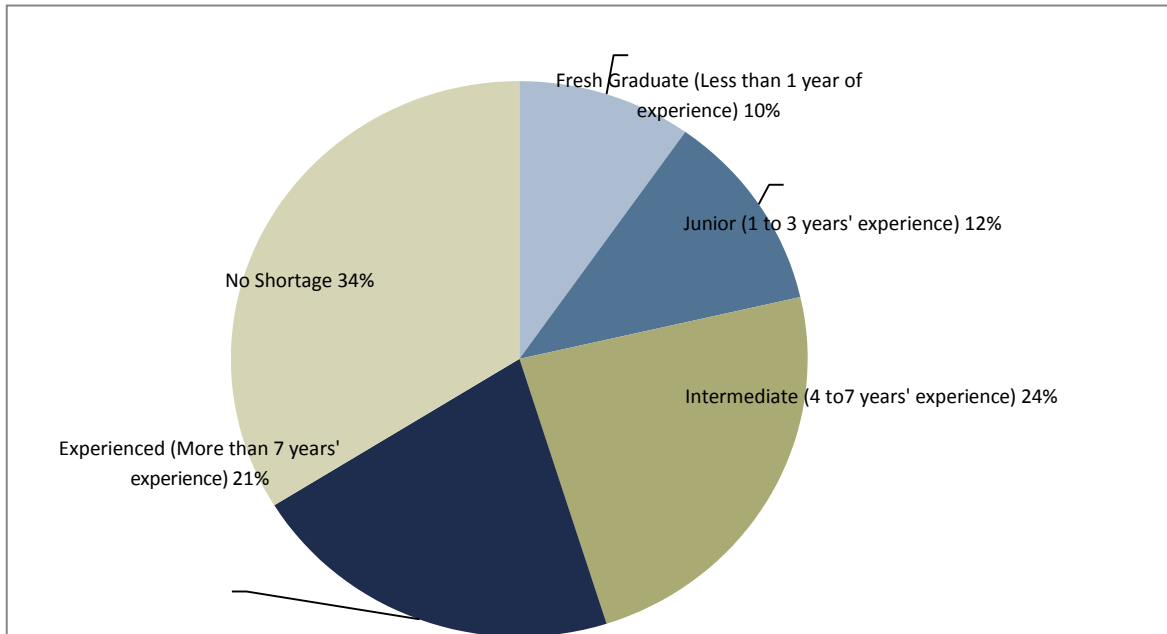
9. 2020 Job Functions Trend

Job Titles that might be difficult to fill up in 2020

Focus Area	Job Title		Job Title	
GBS	Contact Centre Agent	(Inbound)	Accounting Analyst	Financial Analyst
Infotech	Programmers/ Developers		Solution Architect	Software QA Engineer
CCT	Digital Artist		Animator	3D Modeler
Cybersecurity	Security Specialist		Security Analyst	Incident Responder
BDA	Programmer/ Developer		Data Analyst	Software QA Engineer
IoT	Software QA Engineer		Solution Architect	Programmer/ Developer
FinTech	Technical Helpdesk Analyst		Customer Support Engineer	Programmer/ Developer
E-Commerce	Programmer/ Developer		Database Architect	Software QA Engineer
Cloud/ Datacentre	Network Engineer		IT Security Specialist	Computer Operator

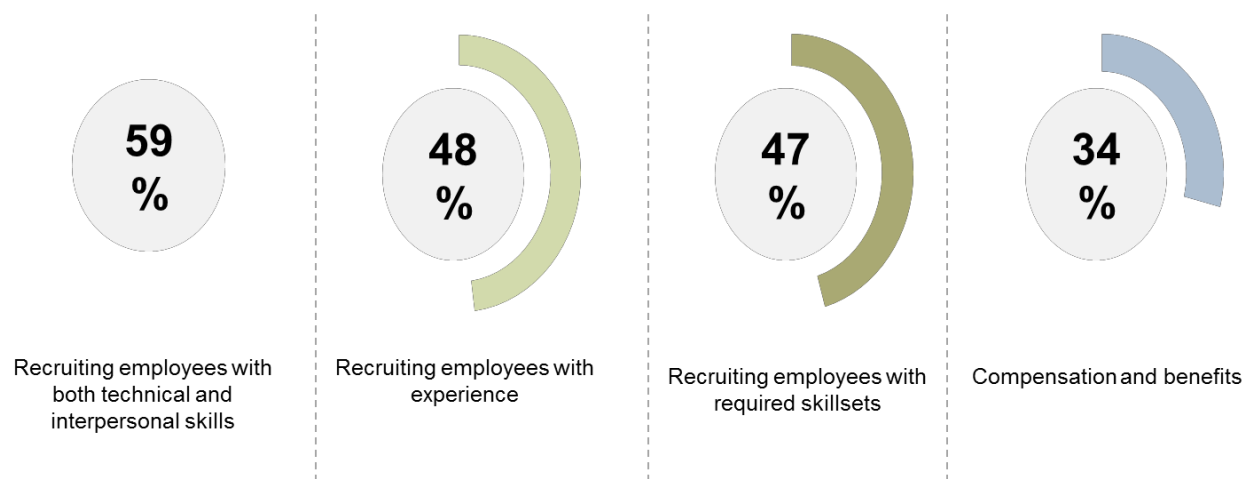
10. Employee Group that will most likely face Shortage

66% of the companies estimated to face talent shortages mostly in intermediate, four to seven years' experience, (24%) and experienced, more than seven years' experience, category (21%).



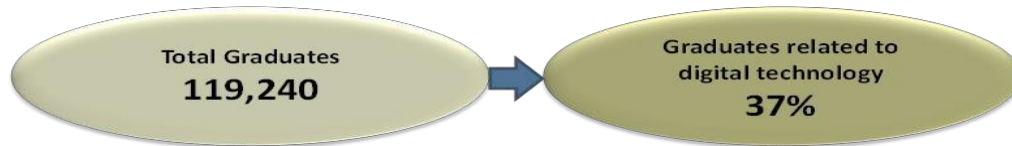
11. Challenges with Recruitment

Getting candidates with required technical and interpersonal skills, compensation and benefits are the main HR challenges.

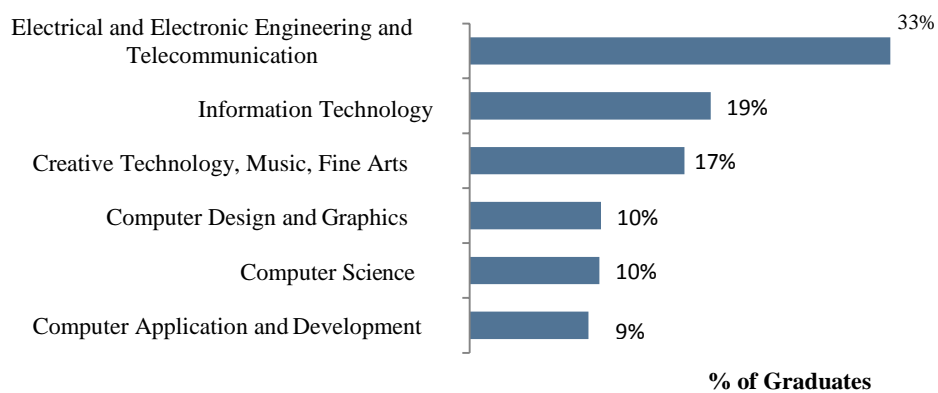


12. 2017 Supply of Fresh Graduates Related to Digital Technology

Of the total graduates in 2016, 44,219 were from digital technology programmes. Majority of digital technology talents are qualified in electrical and electronics engineering, IT, and creative technology/arts.



Breakdown of graduates by field of study related to digital technology



13. Gap in Fresh Graduates Supply and Demand in 2020

In 2020, a surplus in supply is estimated due to large influx of graduates from business studies field of study.

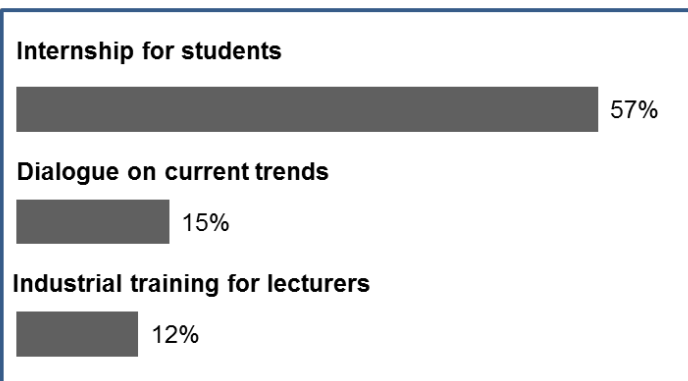


Top 3 Areas that is estimated to have supply shortage in future are emerging technologies, software/ hardware development and OS and Server Technologies

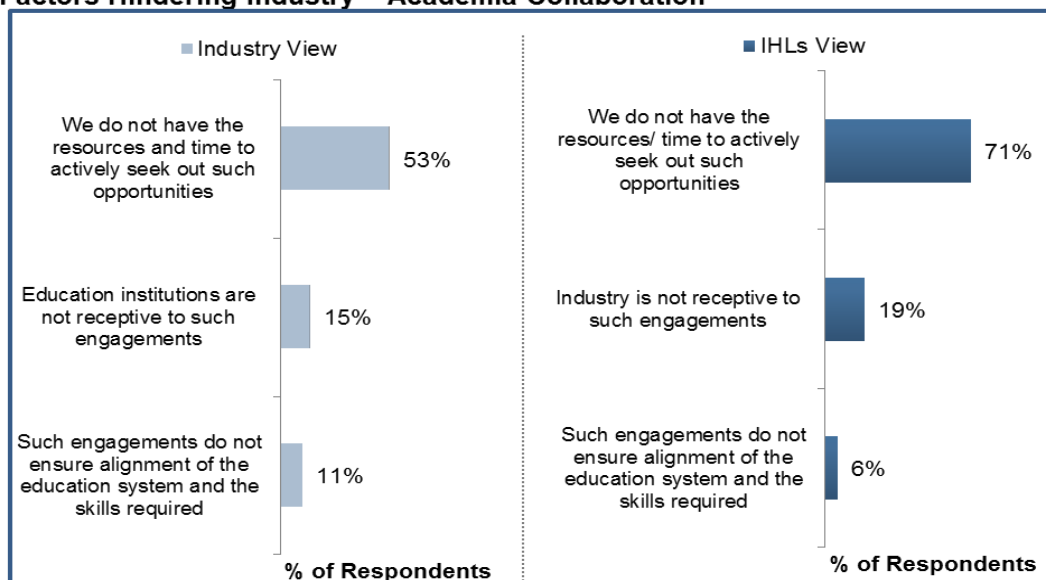
14. Industry – Academia Collaboration

The most common form of industry collaboration with education institutions is hosting internship programmes for students

Current Forms of Collaboration



Factors Hindering Industry – Academia Collaboration



Ways to Strengthen Industry-Academia Collaboration

