

Top 3 Highest Paid Career Related to Graphic and Multimedia Software in Malaysia

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Abstract— *There are various Graphics and Multimedia(Computer Science) related careers such as system analyst, system developer, computer graphics and multimedia programmer, web developer , as well as various game and creative content related careers. However, the top 3 highest paid job related to aforementioned course in Malaysia currently are project manager, computer auditor and system analyst. These three careers are observed to have a high trending and demand in Malaysia.*

Keyword— *project, salary, quality, trending, cost*

I. INTRODUCTION

Computer graphic and multimedia is a study of theory, procedures, technology and skills in computer graphics and multimedia. In computer graphic study, it focuses around the numerical and computational establishments of image synthesis and processing instead of aesthetic issues. At the end of this course, the graduates should be able to obtain the knowledge and skills of image generation, sound and video sequences algorithms, speech processing and recognition and improvement of systems for interaction between human and computer.

II. Trending of Graphics and Multimedia Careers

The first one is shifting, globalized gig economy. Gig economy is a job with short term contracts or freelance work as opposed to permanent jobs. Nowadays, all workers applied as contract job first before becoming their permanent job. This is because of the changes in the industry. The company want to minimize the cost management.

Next is greater focus on data(big data). Before we start any project, we need to really understand the needs of the customer and able to analyze the importance of insight. Data is very important in project management to ensure that we will able to

make a good and an accurate decision. One mistake in decision will impact and increase the cost invested in the project.

With all these challenges, automation and artificial intelligence (AI) are here to help us and save our time. We have to play nice and get familiar with them because it will help us a lot. By using AI, the system can match personal to the project that suites them and it can saves time to select people. This will increase the efficiency and effectiveness when doing the project.

The importance of change management to project success. It will help us to adapt adjust to the processes, workflows and competencies. From day 1 of starting a project, change management plays important role too because we have to make sure that people can use the system that we made.

The fifth trends is method melding. Nowadays, people are starting to combine Agile and Scrum and Waterfall together in a single project together. This will help to ensure that we can achieve the intended objective and make sure the cost is low as long as the project will be completed on time with good quality.

As things are getting complex, advanced project management tools and solutions such as project planning and communication are really helpful. In early 2000, we have to do project where we have to collaborate with people from around the world. But now, people start to use online tools because of Covid-19.

III. RELEVANT CAREERS

A. Project Manager

Project manager earns an average salary of RM 7730 per month. Project manager having a job scope of planning projects for the company and assure those projects are executed in the right way. This job requires daily assessments of employees, as well as leadership and inspiration, in order to accomplish specific targets. Project managers should guarantee that workers have common goals for projects while being appointed specific obligations. Problem-solving will be required when projects do not proceed as expected, and project budgets are typically issued and all parties concerned must ensure that budgetary constraints are reached by all parties involved. Project managers supervise and review projects before they are completed and decide if subsequent projects are significant and what improvements can be made for the future. This occupation may also include monitoring separate employees and divisions to ensure their cooperation. As this is an administrative role, several years of related experience are often expected and prior leadership qualifications and duties should be established.

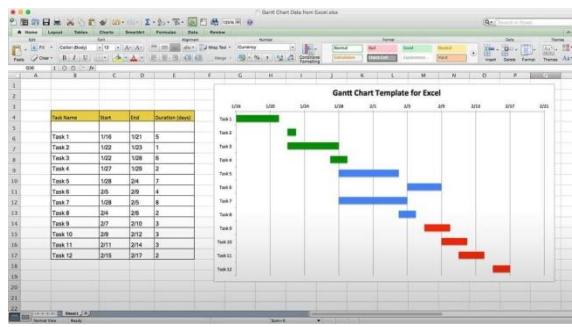


Figure 1: Example of Gantt Chart which will be useful in planning projects

B. Computer Auditor

Computer auditor earns an average salary of RM 6600 per month or RM 78700 per annum. The average annual play of this job has a range of between RM 20000 and RM 134000. Computer auditor having a job scope of planning, carrying out and performing audits around the organization to identify risks and risk control. They often deal with report discoveries and proposals, just as current

methods and systems with other divisions to improve compliance, risk control and maximize overall effectiveness. Computer auditor conducts in-depth research to track the efficiency of particular management-designated technical functions. They will apply sound methodology to collect evidential data in order to conduct the audit. Then, the auditor analyzes the data after obtaining data that is specific to the function or region to form an informed opinion on the efficacy, performance and adequacy of the internal controls of the operation being examined. The auditor produces a report to submit to executives and complete the auditing project on establishing their data-based opinion. The reports are frequently both written and verbal, and they should be compact, complete and include the data that is important to justify the auditor's conclusion. After that, the auditor works with the executives to assure that the functions and any suggestions agree to company policy. They face a large spectrum of issues and are often expected to work independently and with limited oversight. It is important to have good oral and written communication abilities, as is the capability to use basic office applications. Huge numbers of these jobs require extensive travel as the auditor should regularly travel to particular places to obtain the necessary information.

C. System Analyst

System analyst earns an average salary of RM 6000 per month or RM 59704 per annum. The average annual play of this job has a range of between RM 6000 and RM 118000. System analyst having a job scope of conduct server testing and providing help in database maintenance. They create and retain reports for operating and security audits when required. System analyst often set up new clients, oversee access levels and reset passwords. They also plan or change processes to resolve concerns given the capability and limitations of computer equipment. Generally, system analyst should be capable at exploring issues and fixing them in the most productive way possible. Knowledge in programming languages, operating systems and hardware are essentials to system analyst. They should be able to collaborate with different kinds of people such as vendors and other staff in IT fields. It is significant for system analyst to discover the best

system, however the best system must suits with what the client needs and can work with. They should be able to help clients such as business people or programmers across the whole project. Plan, system testing and effective documentation are some approaches that are usually used by system analyst. System analyst must be versatile and ready to think and react quickly, just as work under strict rules, given to them by clients in terms of both time and tangible specifications.

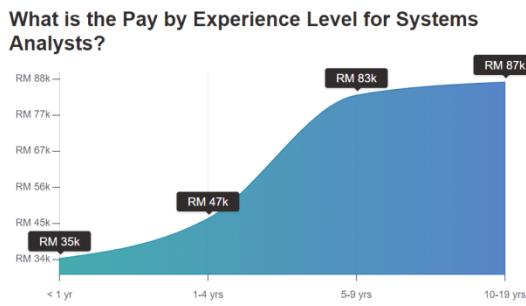


Figure 2: Pay by Experience Level for Systems Analysts

An entry-level Systems Analyst with less than a year experience can expect to earn an average total compensation of RM 34,727 based on 10 salaries. An early career Systems Analyst with 1-4 years of experience earns an average total compensation of RM 46,540 based on 46 salaries. A mid-career Systems Analyst with 5-9 years of experience earns an average total compensation of RM 83,188 based on 42 salaries. An experienced Systems Analyst with 10-19 years of experience earns an average total compensation of RM 87,057 based on 15 salaries.

*average total compensation includes tips, bonus and overtime pay

C. Tables

TABLE 1. TABLE AVERAGE SALARY

IT Careers related to Graphics and Multimedia Software	Average Salary (RM)
Project Manager	92760
Computer Auditor	78700
System Analyst	59704

Table 1 shows the average salary of each IT careers related to Graphics and Multimedia Software

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