

SUMMER PROJECT 2019

Subject: BTEC IT Diploma

Teacher: Priya Suresh

Why do we do a summer project?

We ask all students who are intending to come to L6FC to study in September 2019 to complete a short project in their chosen subjects over the summer holidays. The purpose of this is to enable you to start researching and gaining an understanding of the topics which will be covered in your course, and to show your teachers that you can organise your time and work independently. You will bring your summer projects to college in the first week of term to hand in to your teachers.

What is the summer project?

You should carry out some research into Big Data and then write a report of between 400 and 500 words about the knowledge and skills you need to develop to be a Big Data Analyst.

Your article will need to:

- Explain what Big Data is and how it is used by businesses across the world
- Explain the 4 Vs of Big Data
- Make a list of the technical knowledge, attitudes and attributes (**attitudes** like positive thinking, confidence and **attributes** like time management, organisation, team working etc.) needed to get a job in Big Data

Your report can be in Word, PowerPoint or Publisher and needs to address the following-

- ☐ Definition of Big Data
- ☐ 4 Vs of Big Data
- ☐ How do businesses use Big Data?
- ☐ What are the skills, knowledge, attitude and attributes you need to get a job in Big Data?
- ☐ What is the average salary and career growth in Big Data?

Can you give me some more guidance on what is expected?

This project is designed to give you an opportunity to demonstrate your ability to learn independently about a concept and then apply your knowledge to a scenario.

More information is available on the next page and if you get really stuck you can send an email to **Priya Suresh** at p.suresh@lowestoftsfc.ac.uk to ask for advice.

You will be expected to submit a printed copy of your summer project to Priya by **08 September**, 2019.

Additional task information

Your report is for publication on the Raconteur website (<https://www.raconteur.net>)

and needs to include the following features:

- Appropriate images
- Good spelling and grammar
- Suitable layout

You should also provide a list of the sources of information that you used when writing the article. This does not form part of your word-count.

Further guidance and information

1. Read through some of the job ads in the link below for Big Data and learn about

- the skills and knowledge you need to get the job
- the average salary in Big Data?

<https://www.indeed.co.uk/Big-Data-jobs-in-London>

2. What is Big Data?

- <https://www.youtube.com/watch?v=aeHqYLgZP84>
- <https://www.techopedia.com/2/28642/enterprise/data-centers/big-data-how-its-captured-crunched-and-used-to-make-business-decisions>
- 4 Vs of Big Data –
https://www.google.com/search?q=4+vs+of+big+data&safe=strict&rlz=1C1GCEB_enGB813GB813&tbm=isch&source=iu&ictx=1&fir=TLB6SRsUHwgz5M%253A%252CnHEFZggmyONaUM%252C_&vet=1&usg=AI4_-kQWAbFL9doQnafLO95_LkrCDeU4tQ&sa=X&ved=2ahUKEwiGn_2J4ejiAhXRtXEKHcC4A2kQ9QEwAHOECAMQAw#imgsrc=TLB6SRsUHwgz5M: