# Career Progression Path for Big Data Analytics professionals:

<table>
<thead>
<tr>
<th>Level</th>
<th>Entry level (0-1 yrs exp.)</th>
<th>Mid Level (3-5 yrs exp.)</th>
<th>Advanced level (5 yrs plus exp.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salary Range</td>
<td>3,50,000 - 550,000</td>
<td>5,50,000 - 1100,000</td>
<td>1200,000 +</td>
</tr>
</tbody>
</table>

### Any Sector

- **Junior Data Management**
  - Senior Data Management Analyst
  - Analytics Manager
  - Data Management - Director
- **Junior Business Analyst**
  - Mid-Level Business Analyst
  - Senior Manager Analytics
  - Vice President Analytics
- **Data Analyst**
  - Senior Data Analyst
  - Director
- **Junior Data Miner**
  - Senior Data Miner
- **Analytics Consultant Statistician**
  - Senior Analytics Consultant
  - Senior Statistician
- **Junior Predictive Modeling Analyst**
  - Mid-level Predictive Modeling Analyst
  - Senior Predictive Modeling Analyst
- **Research Analyst**
  - Mid-level Research Analyst
  - Senior Manager

### Self – Employed

- Compensation commensurate with the efforts

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**Sengamala Thayaar Educational Trust Women’s College**

(Affiliated to Bharathidasan University, Tiruchirappalli)

SUNDARAKKOTTAI, MANNARGUIDI – 614 016,
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**Postgraduate Diploma in Big Data Analytics**

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**OUR TECHNOLOGY AND RECRUITMENT PARTNERS**

- Target soft solutions
- Systech USA
- Customer analytics
- Index info systems Singapore
- Xturion
Postgraduate Diploma in Big Data Analytics (PGDBDA)

Business Analytics:
Most industry sectors have recognized the value that Business Analytics can provide in not only driving compelling Business Solutions, but also in helping them to differentiate themselves to customers, investors and regulators. The global Business Analytics is a USD 105 billion market, growing at a Compounded Annual Growth Rate (CAGR) of 8%. India, with its surfeit of talent, has become the Analytics hub for organizations across the world. Large corporates such as Walmart, Target, Citibank, ICICI Bank, Airtel and Vodafone are increasingly adopting analytics in their processes. Consulting giants such as PwC, IBM, Accenture and Infosys have large teams offering Analytics solutions to their clients. All of this translates into huge global and domestic demand for Business Analytics professionals.

Course Objective:
The curriculum of the PG Diploma in Big Data Analytics (1 year, Regular Programme) is designed to provide an in-depth hands-on understanding of Business Analytics’ techniques to analyze and solve problems conceptually and practically.

Eligibility:
The minimum qualification required to apply is Bachelor degree in Science or Commerce from a recognized university or equivalent with minimum of 50% aggregate marks. The candidate is also required to score minimum 50% marks in the entrance test. Final year PG students can also apply.

Placement:
Admitted candidates are to be given offer letters for placement on the day admission with assured internship and project guidance from the major companies.

Curriculum:

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<th>Semester II</th>
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<tbody>
<tr>
<td>Fundamental of Computer Science</td>
<td>Big Data Technology</td>
</tr>
<tr>
<td>DBMS &amp; Data Warehousing</td>
<td>Business Intelligence</td>
</tr>
<tr>
<td>Introduction to Business &amp; Data Analytics</td>
<td>Statistics for Business</td>
</tr>
<tr>
<td>Data Visualization</td>
<td>SPSS Lab</td>
</tr>
<tr>
<td>Data Analytics Lab (Hadoop)</td>
<td>Project</td>
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Career Opportunities for Business Analytics Professionals:
1. The global Business Analytics is a USD 105 billion market, growing at a CAGR of 8%. India, with its surfeit of talent, has become the Analytics hub for organizations across the world.
2. Large corporates like Walmart, Target, Citibank, ICICI Bank, Airtel and Vodafone are increasingly adopting analytics in their processes.
3. Consulting giants like PwC, IBM, Accenture and Infosys have large teams offering Analytics solutions to their clients.
4. IBM's recent study revealed that “83% of Business Leaders listed Business Analytics as the top priority in their business priority list.”
5. The importance of Data Mining was reinforced by a 2011 Bloomberg survey that showed 97 per cent of companies with revenues more than US$100million use Business Analytics of one form or another.
6. NASSCOM has estimated that from 50,000 today, the demand for Analytics professionals in India will grow to 2,50,000 in the coming two three years.
7. Acute shortage of qualified and skilled professionals as there are not too many focused Undergraduate and Postgraduate Programmes in this domain.

Examinations & Assessments:
1. Internal tests
2. Assignments
3. Seminar presentation
4. Class tests (Preparatory theory and Practical)
5. Examination (Term end Theory and Practical)
6. Project

Fees:
As prescribed by the university

Duration of the Course:
1 year (2 semesters)

Medium of Instruction & Examination:
English

Degree Awarded:
Postgraduate Diploma in Big Data Analytics

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