**1. Question:** "Importance of learning Java programming in a general context that solves most problems compared to learning Java programming tailored for AI&ML for IT companies.”

* Most Important
* Important
* Neutral
* Less Important
* Not important

**2. Question:** "Please rate the importance of learning Python programming for statistics compared to learning Python programming for solving a wide range of problems in IT companies”

**Response Scale:** 1 - Python Programming for Statistics is More Important 2 - Slightly More Important for Python Programming for Statistics 3 - Both Equally Important 4 - Slightly More Important for Python Programming for Solving All Problems 5 - Python Programming for Solving All Problems is More Important

3. **Question:** "Please rate the perceived role and scope of a Master of Computer Application (MCA) compared to a Master of Science in Data Science (MSDS) in the IT industry, where 1 is 'MCA is More Vital with Greater Scope,' 3 is 'Both Equally Vital with Equal Scope,' and 5 is 'MSDS is More Vital with Greater Scope.'"

**Response Scale:** 1 - MCA is More Vital with Greater Scope 2 - Slightly More Vital with Greater Scope for MCA 3 - Both Equally Vital with Equal Scope 4 - Slightly More Vital with Greater Scope for MSDS 5 - MSDS is More Vital with Greater Scope

4. **Question:** "Please rate the suitability of a Master of Computer Application (MCA) compared to a Master of Science in Data Science (MSDS) for exploring and learning programming, where 1 is 'MCA is More Suitable,' 3 is 'Both Equally Suitable,' and 5 is 'MSDS is More Suitable.'"

**Response Scale:** 1 - MCA is More Suitable 2 - Slightly More Suitable for MCA 3 - Both Equally Suitable 4 - Slightly More Suitable for MSDS 5 - MSDS is More Suitable

**5.** In your opinion, how well does the MCA program prepare students for software development, compared to the MSDS program?

* (1) MCA is significantly better.
* (2) MCA is somewhat better.
* (3) Both are equally effective.
* (4) MSDS is somewhat better.
* (5) MSDS is significantly better.

**6.** Please rate the depth and coverage of statistical analysis in the MSDS program compared to the MCA program.

* (1) MSDS is significantly deeper and more comprehensive.
* (2) MSDS is somewhat deeper and more comprehensive.
* (3) Both are equally deep and comprehensive.
* (4) MCA is somewhat deeper and more comprehensive.
* (5) MCA is significantly deeper and more comprehensive.

**7.** How effective do you think the MCA program is in providing a foundation in mathematics and problem-solving for computer science, in comparison to the MSDS program?

* (1) MCA is significantly more effective.
* (2) MCA is somewhat more effective.
* (3) Both are equally effective.
* (4) MSDS is somewhat more effective.
* (5) MSDS is significantly more effective.

**8.** Please rate the coverage of machine learning techniques in the MSDS program compared to the MCA program.

* (1) MSDS is significantly more comprehensive.
* (2) MSDS is somewhat more comprehensive.
* (3) Both are equally comprehensive.
* (4) MCA is somewhat more comprehensive.
* (5) MCA is significantly more comprehensive.

**9.** How well does the MCA program prepare students for data structures and algorithms in comparison to the MSDS program?

* (1) MCA is significantly better.
* (2) MCA is somewhat better.
* (3) Both are equally effective.
* (4) MSDS is somewhat better.
* (5) MSDS is significantly better.

**10.** Rate the adequacy of the MSDS program's curriculum for data mining and data communication compared to the MCA program.

* (1) MSDS is significantly more adequate.
* (2) MSDS is somewhat more adequate.
* (3) Both are equally adequate.
* (4) MCA is somewhat more adequate.
* (5) MCA is significantly more adequate.

**11.** Please rate the quality of the Advanced Python Programming course in the MCA program in comparison to the MSDS program.

* (1) MCA's course is significantly better.
* (2) MCA's course is somewhat better.
* (3) Both are of equal quality.
* (4) MSDS's course is somewhat better.
* (5) MSDS's course is significantly better.

**12.** How well do you think the MSDS program covers research methodology and LaTeX in comparison to the MCA program?

* (1) MSDS is significantly more comprehensive.
* (2) MSDS is somewhat more comprehensive.
* (3) Both are equally comprehensive.
* (4) MCA is somewhat more comprehensive.
* (5) MCA is significantly more comprehensive.

**13.** Rate the coverage of accounting and finance management in the MCA program compared to the MSDS program.

* (1) MCA is significantly more comprehensive.
* (2) MCA is somewhat more comprehensive.
* (3) Both are equally comprehensive.
* (4) MSDS is somewhat more comprehensive.
* (5) MSDS is significantly more comprehensive.

**14.** How well do you think the MSDS program prepares students for optimization techniques and time series analysis compared to the MCA program?

* (1) MSDS is significantly better.
* (2) MSDS is somewhat better.
* (3) Both are equally effective.
* (4) MCA is somewhat better.
* (5) MCA is significantly better.

**15.** In your opinion, how well does the MCA program prepare students for software development, compared to the MSDS program?

* (1) MCA is significantly better.
* (2) MCA is somewhat better.
* (3) Both are equally effective.
* (4) MSDS is somewhat better.
* (5) MSDS is significantly better.

**16.** Please rate the depth and coverage of statistical analysis in the MSDS program compared to the MCA program.

* (1) MSDS is significantly deeper and more comprehensive.
* (2) MSDS is somewhat deeper and more comprehensive.
* (3) Both are equally deep and comprehensive.
* (4) MCA is somewhat deeper and more comprehensive.
* (5) MCA is significantly deeper and more comprehensive.

**17.** How effective do you think the MCA program is in providing a foundation in mathematics and problem-solving for computer science, in comparison to the MSDS program?

* (1) MCA is significantly more effective.
* (2) MCA is somewhat more effective.
* (3) Both are equally effective.
* (4) MSDS is somewhat more effective.
* (5) MSDS is significantly more effective.

**19.** Please rate the coverage of machine learning techniques in the MSDS program compared to the MCA program.

* (1) MSDS is significantly more comprehensive.
* (2) MSDS is somewhat more comprehensive.
* (3) Both are equally comprehensive.
* (4) MCA is somewhat more comprehensive.
* (5) MCA is significantly more comprehensive.

**19.** How well does the MCA program prepare students for data structures and algorithms in comparison to the MSDS program?

* (1) MCA is significantly better.
* (2) MCA is somewhat better.
* (3) Both are equally effective.
* (4) MSDS is somewhat better.
* (5) MSDS is significantly better.

**20.** Rate the adequacy of the MSDS program's curriculum for data mining and data communication compared to the MCA program.

* (1) MSDS is significantly more adequate.
* (2) MSDS is somewhat more adequate.
* (3) Both are equally adequate.
* (4) MCA is somewhat more adequate.
* (5) MCA is significantly more adequate.

**21.** Please rate the quality of the Advanced Python Programming course in the MCA program in comparison to the MSDS program.

* (1) MCA's course is significantly better.
* (2) MCA's course is somewhat better.
* (3) Both are of equal quality.
* (4) MSDS's course is somewhat better.
* (5) MSDS's course is significantly better.

**22.** How well do you think the MSDS program covers research methodology and LaTeX in comparison to the MCA program?

* (1) MSDS is significantly more comprehensive.
* (2) MSDS is somewhat more comprehensive.
* (3) Both are equally comprehensive.
* (4) MCA is somewhat more comprehensive.
* (5) MCA is significantly more comprehensive.

**23.** Rate the coverage of accounting and finance management in the MCA program compared to the MSDS program.

* (1) MCA is significantly more comprehensive.
* (2) MCA is somewhat more comprehensive.
* (3) Both are equally comprehensive.
* (4) MSDS is somewhat more comprehensive.
* (5) MSDS is significantly more comprehensive.

**24.** How well do you think the MSDS program prepares students for optimization techniques and time series analysis compared to the MCA program?

* (1) MSDS is significantly better.
* (2) MSDS is somewhat better.
* (3) Both are equally effective.
* (4) MCA is somewhat better.
* (5) MCA is significantly better.