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USFT Prog Proposal COB Info Sys Decision Sci Informatics Big Data Analytics Ph D 20190417

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X. Non-Faculty Resources

A. Describe library resources currently available to implement and/or sustain the proposed program through Year 5. Provide the total number of volumes and serials available in this discipline and related fields. List major journals that are available to the university's students. Include a signed statement from the Library Director that this subsection and subsection B have been reviewed and approved.

Part I – Overview of USF Libraries, Mission, and Program/Discipline Strengths

The University of South Florida (USF) is accredited by the Southern Association of Colleges and Schools' Commission on Colleges to award associate, baccalaureate, master's, specialist and doctorate degrees. The institution was initially accredited in 1965 and was last reviewed and reaffirmed in 2015.

The University of South Florida Libraries consist of USF's main research library and the Hinks and Elaine Shimberg Health Sciences Library, both located on the Tampa Campus; the Nelson Poynter Memorial Library, USF St. Petersburg campus; and an Information Commons at the USF Sarasota-Manatee campus.

The USF Libraries inspire research, creativity, and learning by connecting the USF community to relevant and high-quality information. Our vision is to become the center of a highly engaged university community, driven to produce high-impact research and to nourish creativity. Together, the USF Libraries provide access to more than 2 million volumes and an extensive collection of electronic resources including approximately 64,928 e-journal subscriptions and over 900 aggregator databases containing another 92,855 unique e-journal titles, 693,313 e-books, and 826,000 digital images. In addition, students have access to over 83,000 audio/visual materials including electronic media, music scores, audiobooks, CDs, and DVDs.

The USF Libraries endeavor to develop and maintain a research collection that satisfies the resource needs of the undergraduate curriculums in the Muma College of Business Information Systems Decision Sciences Department and also meets the specialized needs of the graduate students and faculty for advanced research materials

Part II - USF Libraries' Collections

MONOGRAPHS (Print and Ebooks)

The USF Library contains extensive holdings of books in both print and e-book format that support student and faculty instructional and research needs in the new program. To identify the scope of relevant books, titles were derived from searching the library's catalog by Library of Congress Subject Headings relevant to Informatics and Big Data Analysis studies.

MONOGRAPHIC COUNTS			
Library of Congress Subject Headings for Big Data			
LC Subject Headings	Call Number	Print	Electronic
Artificial intelligence	Q335.A7857	1,135	5,995
Big data	QA76.73P98	193	391
Cloud computing	TK5105.88813	24	557
Database management	QA76.9 D3 B666	551	2,172
Digital communications	TK5103.7 B377	145	352
Electronic commerce	HF5548.32 F64	360	1,602
Geographic information systems	G70.2 C37- G70.212	324	675
Human-computer interaction	QA76.9H85 C37	273	1,506
Management information systems	HD30.213 F49-HD31.B7818	583	2,617
Mobile communication systems	TK6570.M6 I36	212	1,088
Multimedia systems	QA76.575.C73 2005	277	1,261
Probability Statistics	HA29.F64, QA273 M592	235	1,115
Semantic Web	TK5105.88815	34	375
System analysis	T57.6.H366 -N49	895	1,649
Totals		2,236	21,355

Total Number of Monographs

- Print = 2,236
- Electronic = 21,355

Ebooks and Ebook Collections

- APA Handbook of Industrial and Organizational Psychology
- Knovel Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables
- ProQuest Ebook Central
- Springer eBook Collection in Computer Science
- Springer eBook Collection in Mathematics
- Springer Ebook Collection in Professional Computing and Web Design
- Springer Lecture Notes in Computer Science
- Springer Lecture Notes in Mathematics
- Springer Lecture Notes in Statistics
- Synthesis Digital Library of Engineering and Computer Science
- Taylor & Francis and CRCNetBase eBooks
- Oxford Scholarship Online and University Press Scholarship Online

MAJOR SERIAL TITLES (JOURNALS)

The USF Libraries subscribe to several scholarly and professional journals that have an editorial scope and content which support research activities at the doctoral level in Informatics and Big Data Analysis. A majority of the titles are in electronic format thereby enhancing accessibility. Journal titles were derived by searching the library's online catalog and identifying titles possessing relevant Library of Congress Subject Headings (LCSH) to research and curriculum topics in Informatics and Big Data Analysis. Additionally, the journal title list includes significant journals selected by the faculty of the Information Systems and Decision Sciences Department of the Muma College of Business.

Serial Title Subscriptions

- 93 Journal Titles (electronic format)

MAJOR SERIAL TITLES			
Title	Selected Core Journals	Highly Cited (Impact Factor)	Library Holdings (Online)
ACM Computing Surveys		5.550	03/01/1969 – present
ACM Transactions on Information Systems			01/01/1983 - present
ACM Transactions on Intelligent Systems and Technology TIST	X	2.973	10/01/2010 - present
ACM Transactions on Knowledge Discovery from Data			03/01/2007 - present
ACM Transactions on Management Information Systems			12/01/2010 - 1/30/2018
Advances in Data Analysis and Classification			01/01/2007 - present
American Statistician		4.302	01/01/1997 - present
Annals of Probability	X	2.118	01/01/1973 - present
Annals of Statistics	X	2.522	01/01/1973 - present
Applied Stochastic Models in Business and Industry			01/01/1999 - present
ASLIB Journal of Information Management			11/01/1998 - present
Behavior and Information Technology			01/01/1996 - present
Big Data Analytics			01/01/2016 - present
Big Data and Society			07/01/2014 - present
Big Data Quarterly			06/01/2015 - present
Big Data Research			08/01/2014 - present
Biometrika	X	1.669	01/01/1996 - present
CIO			01/01/2007 - present
Communication Research			01/01/1974-12/31/1998; 02/01/1999 - present
Communications of the ACM		3.063	01/01/1958 - present

MAJOR SERIAL TITLES			
Title	Selected Core Journals	Highly Cited (Impact Factor)	Library Holdings (Online)
Computational Statistics & Data Analysis		1.181	01/01/1995 - present
Computers and Operations Research			01/01/1995 - present
Computers in Human Behavior			12/01/1994 - present
Computing and Visualization in Science			01/01/1997 - present
Data & Knowledge Engineering			02/01/1995 - present
Data Mining and Knowledge Discovery	X	2.481	01/01/1997 - present
Decision Support Systems		3.565	01/01/1995 - present
European Journal of Operational Research			01/05/1995 - present
Expert Systems with Applications			01/01/1990 - present
Foresight : The Journal of Futures Studies, Strategic Thinking and Policy			02/01/1999 - present
Fuzzy Sets and Systems		2.675	01/01/1978 - present
Human-Computer Interaction			01/01/1997 - present
IBM Journal of Research and Development		0.962	01/01/1957 - present
IEEE Communications Surveys and Tutorials		20.230	01/01/2000 - present
IEEE Transactions on computers			01/01/1968 - present
IEEE Transactions on Knowledge and Data Engineering	X	2.775	01/01/1989 - present
IEEE Transactions on Neural Networks		7.982	01/01/1990 - present
Industrial Management & Data Systems			02/15/1992 - present
INFOR			01/01/1997 - present
Information & Management		3.890	01/01/1977 - 12/31/1994 ; 01/01/1995 - present
Information and Organization			01/01/2001 - present
Information Systems Journal			01/01/1997 - present
Information Systems Management			01/01/1997 - present
Information Systems Research	X	2.301	03/01/1990 - present
Information Technology & People			02/01/1990 - present
INFORMS Journal on Computing	X	1.392	01/01/1998 - present
Intelligent Data Analysis			02/01/2000 - present
Interfaces INFORMS			06/01/1971 - present
International Journal of Electronic Commerce : IJEC			01/01/1997 - present
International Journal of Information Management			02/01/1995 - present
International Journal of Intelligent Systems			01/01/1996 - present
International Journal of Production Research			01/01/1997 - present
Int'l Journal of Human-Computer Studies			01/01/1995 - present
IUP Journal of Operations Management			08/01/2009 - present

MAJOR SERIAL TITLES			
Title	Selected Core Journals	Highly Cited (Impact Factor)	Library Holdings (Online)
Journal of Behavioral Decision Making	X	1.788	01/01/1996 - present
Journal of Big Data			01/01/2014 - present
Journal of Business & Economic Statistics			01/01/1997 - present
Journal of Business Ethics	X	2.917	11/01/1987 - present
Journal of Computer Info. Systems			01/01/1997 - present
Journal of Data Science Open Access			01/01/2003 - present
Journal of Forecasting			01/01/1996 - present
Journal of Information Science			02/01/1999 - present
Journal of Information Technology & Economic Development			01/01/2013 - present
Journal of Management Information Systems			01/01/1997 - present
Journal of Network and Systems Management			03/01/1993 - present
Journal of Strategic Information Systems			03/01/1995 - present
Journal of Supply Chain Management			01/01/1999 - present
Journal of the American Medical Association JAMA	X	47.661	01/01/1993 - present
Journal of the American Medical Informatics Association JAMIA	X	4.270	01/01/1996 - present
Journal of the ACM		1.744	01/01/1954 - present
Journal of the American Statistical Association JASA	X	2.297	01/01/1997 - present
Journal of the Association for Information Systems Alt. title: Journal of the AIS		2.839	01/01/2003 - present
Journal of the Operational Research Society			01/01/1997 - present
Journal of the Royal Statistical Society Series A. Statistics in society	X	2.473	01/01/1997 – present
Journal of the Royal Statistical Society Series B. Statistical Methodology		2.894	01/01/1997 – present
Journal of the Royal Statistical Society Series C. Applied Statistics	X	1.750	01/01/1997 – present
Judgment and Decision Making	X	2.525	01/01/2006 - present
Knowledge and Information Systems			01/01/1999 - present
Knowledge Based Systems			02/01/1995 - present
Knowledge Management Research and Practice			01/01/2003 - present
Machine Learning			01/01/1986 - present
Management science	X	3.544	01/01/1998 - present
MIS Quarterly: management information systems	X	5.430	03/01/1977 - present
Mobile Networks and Applications			04/01/2008 - present
NETNOMICS			01/01/1999 - present
Omega			02/01/1995 - present

MAJOR SERIAL TITLES			
Title	Selected Core Journals	Highly Cited (Impact Factor)	Library Holdings (Online)
Operations Research			02/01/1956 - present
Organizational Behavior and Human Decision			02/01/1985 - present
Organizational Research Methods	X	4.918	01/01/1998 - 10/31/1998; 01/01/1999 - present
Production and Operations Management			01/01/1997 - present
Simulation			01/01/1999 - present
Statistical Analysis and Data Mining			01/01/2008 - present
Structural Equation Modeling	X	3.531	01/01/1994 - 12/31/1996; 01/01/1997 - present

DIGITAL LIBRARIES and DATABASES

Scholarly, research and instructional activities associated with Informatics and Big Data Analy program endeavors are supported by a number of both specialized and general business, statistics, and computer science databases which provide access to journal articles, conference proceedings, monographs, statistical data, company profiles, statistics and reports.

Specialized Digital Libraries

	Journals	Proceedings
ACM Digital Library The ACM Digital Library is the full-text repository of papers from ACM journals, conference proceedings, and newsletter articles that have been published, co-published, or co-marketed by the Association for Computing Machinery and other publishers. Includes International Conference on Machine Learning (ICML), International Conference on Machine Learning (KDD), ACM Conference on Recommender Systems (RECSYS), ACM International Conference on Web Search and Data Mining and (WSDM),	80	994
IEEE Xplore Digital Library Institute of Electrical and Electronics Engineers IEEE/Institution of Electrical Engineers IEE. Provides full-text access to IEEE transactions, IEEE and IEE journals, magazines, and conference proceedings published since 1988, and all current IEEE standards; brings additional search and access features to IEEE/IEE electronic library users nearly all available from Volume 1, Issue 1. Includes IEEE International Conference on Big Data (ICBD), International Conference on Data Mining (ICDM).	535	31749
INFORMS PubsOnline INFORMS offers a wide array of content and information about Operations Research and Analytics to meet the needs and interests of researchers, practitioners, students, business leaders, policy-makers, and the public.	10	

Other Digital Libraries

- Cambridge Core
- Elsevier's ScienceDirect
- Springer Nature's SpringerLink
- Wiley Online Library

Publishers Online Journal Access

- American Mathematical Society Journals
- Emerald Insight

- Oxford Academic Journals
- SAGE Journals Online
- SIAM Journals Online
- Taylor & Francis Online

Aggregated Business and Computer Science Journal Databases

- ABI/INFORM Collection
- Academic Search Premier
- Applied Science & Technology Source
- Business Source Premier
- Expanded Academic ASAP
- ProQuest Computer Science Database
- ProQuest Science Database
- ProQuest Dissertations & Theses

Business & Computer Engineering Information Databases

- IBISWorld
- Mergent Online, Intellect, Key Business Ratios, and Archives
- Continuum Economics [RGE Monitor]
- MarketLine Advantage
- Mintel Academic
- Morningstar Investment Research Center
- Standard & Poor's NetAdvantage
- Compendex [1884-]
- Inspec [1898-]
- MathSciNet
- PsycINFO

Statistical Datasets and Tools

- Wharton Research Data Services (WRDS)
 - AuditAnalytics
 - Compustat ExecuComp
 - CRSP
 - I/B/E/S
 - Compustat North America
 - MSCI ESG KLD STATS
- Data-Planet Statistical Datasets
 - EASI Market Planner
 - China Data Center
 - Data-Planet Statistical Ready Reference

- CSRHub
- Gartner
- ICPSR Data Access and Analysis
- iPOLL [Roper Center Archive]
- MSCI ESG Direct
- NBER Working Papers
- OECD Education Statistics--Education Database
- OECD iLibrary
- SimplyAnalytics
- SRDS Online
- WDI Online

Citation Analytics Tools and Indices

- Web of Science
 - Data Citation Index [1900 - Present]
 - Current Contents Connect [1998 - Present]
 - Century of Science
 - Conference Proceedings Citation Index [1990 Present]
 - MEDLINE [1950 - Present]
 - Emerging Sources Citation Index (ESCI) [2005 - Present]
- InCites
- InCites Journal Citation Reports
- InCites Essential Science Indicators
- SciVal
 - Scopus

B. Describe additional library resources that are needed to implement and/or sustain the program through Year 5. Include projected costs of additional library resources in Table 2 in Appendix A. Please include the signature of the Library Director in Appendix B.

As of April 17, 2019, the collections of the USF Tampa Library and affiliates are sufficient to support the Ph.D. program in Informatics and Big Data Analysis at the Muma College of Business. The Libraries maintain an exceptionally strong collection of resources and services needed to support USF as a Preeminent Research University. The librarians and Dean of the Libraries work closely with the Muma College of Business to ensure all curricular and research needs are more than adequately supported. No new resources are required to support this new Ph.D. program at this time. Sustained annual investments to maintain the recurring elements of this collection and to purchase newly published materials are required to preserve sufficiency. With escalating costs, typical annual increases of 3-6% are likely. Strategic investments are required as new faculty are hired and areas of emphasis evolve.