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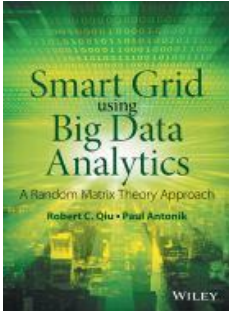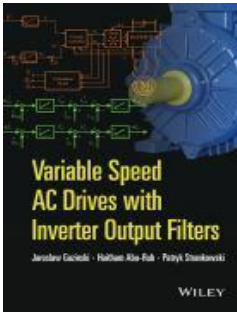## The Library System
Science & Technology Section

Acquisitions List: School of Engineering
2nd Semester 2017-2018

Engineering & Allied Operations

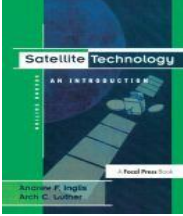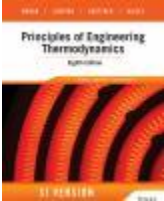|	
	Lü, Y. (2016). *Extremal optimization: Fundamentals, algorithms, and applications*. Boca Raton : Chemical Industry Press. {620.0042/L96}
	Weilkiens, T. (2016). *Model-based system architecture*. Hoboken, New Jersey : Wiley. {620.0042/W42}
	Seidler, D. (2014). *Digital drawing for designers: A visual guide to AutoCAD 2015*. New York : Fairchild Books. {620.00420285/Se42}

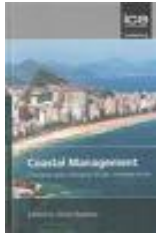|	
	Lawson, J. (2017). ***Basic experimental strategies and data analysis for science and engineering***. Boca Raton : Taylor & Francis Group, LLC. {620.0072/L44}
	Meriam, J. L. (2016). ***Engineering mechanics: Volume 1/ statics***. 8th ed. Singapore : Wiley. {620.1/M54}
	Meriam, J. L. (2016). ***Engineering mechanics: Volume 2/ dynamics***. 8th ed. Hoboken, New Jersey : John Wiley & Sons, Inc. {620.1054/M54 2016}
	Fox, R. (2016). ***Fluid mechanics***. 9th ed.Hoboken, New Jersey : John Wiley & Sons, Inc. {620.106/F83}
	Beer, F. (2015). ***Mechanics of materials***. 7th ed. New York : McGraw-Hill. {620.112/B39}
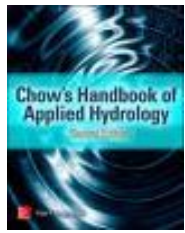
Applied Physics/Electrical/Electronics Engineering

	Kuc, R. (2015). *Electrical engineering in context: Smart devices, robots & communications*. Australia : Cengage Learning. {621.3/K95}
	Qiu, R. (2017). *Smart grid using big data analytics: A random matrix theory apporach*. Chichester, West Sussex. {621.31028557 /Q15}
	Gizinski, J. (2015). *Variable speed AC drives with inverter output filters*. Chichester, West Sussex, U.K. John Wiley & Sons, Ltd. {621.317/G44}
	Flusser, J. (2017). *2D and 3D image analysis by moments*. Chichester, West Sussex, United Kingdom : Wiley. {621.367/F67}

	Malvino, A. (2016). *Electronic principles*. 2nd ed. New York : McGraw-Hill Education. {621.381/M29}
	Schlegel, C. (2015). *Trellis and turbo coding: Iterative and graph-based error control coding*. 2nd ed. Hoboken, New Jersey. {621.382/Sch36}
	Inglis, A. (2016). *Satellite technology: An introduction*. 2nd ed. New York : Focal Press. {621.3825/In45}
	Recent advances in VLSI design. (2015). New Jersey : Clanrye International. {621.395/R24}
	Moran, M. (2015). *Principles of engineering thermodynamics: SI version*. 8th ed. Singapore : John Wiley & Sons Ltd. {621.4021/M79}

Civil Engineering & Related Subject Area
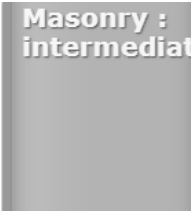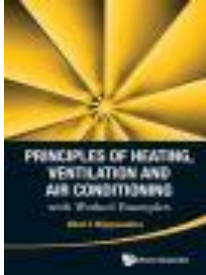
	Handbook of civil engineering calculations. 3rd ed. New York : McGraw-Hill Education. {624.0151/H19}
	Paz, M. (2004). ***Structural dynamics: Theory and computation***. 5th ed. New York : Springer Science Business Media. {624.171/P29}
	Chopra, A. (2017). ***Dynamics of structures: Theory and applications to earthquake engineering***. 5th ed. Hoboken, New Jersey : Pearson. {624.1762/C45}
	Chilton, J. (2017). ***Timber gridshells : Architecture, structure and craft***. London : Routledge. {624.1773/C43}
	Bernuzzi, C. (2016). ***Structural steel design to Eurocode 3 and AISC specifications***. Chichester, West Sussex, United Kingdom. {624.182/B45}
	Iskhakov, I. (2016). ***Design principles and analysis of thin concrete shells, domes and folders***. Boca Raton, Florida : CRC Press, Taylor & Francis Group. {624.18341/Is39}

	Rogers, M. (2016). *Highway engineering*. 3rd ed. Chichester, West Sussex, United Kongdom : John Wiley & Sons, Ltd. {625.7/R63}
	Coastal management: Changing coast, changing climate, changing minds. (2016). London : ICE Publishing. {627.58/C63}
	Marriott, M. (2016). ***Nalluri & Featherstone's civil engineering hydraulics: Essential theory with worked examples***. 6th ed. Chichester, West Sussex, United Kingdom : Wiley. {627/M34}
	Singh, V. P. (2017). ***Handbook of applied hydrology***. 2nd ed. New York : McGraw-Hill. {627/Si64}
	Dixon, B. (2016). ***GIS and geocomputation for water resource science and engineering***. Chichester, West Sussex, UK : AGU, Wiley. {628.10285/D64}
	Goodman, A. (2015). ***Infrastructure planning, engineering and economics***. 2nd ed. New York : McGraw-Hill. {628/G62}

	Improving urban environments: Strategies for healthier and more sustainable cities. (2016). Oakville, ON : AAP,Apple Academic Press. {628/Im78}
	Plumbing 201 : PHCC Educational Foundation Plumbing Apprentice & Journeyman Training Committee. (2016). 6th ed. Australia : Delmar. {696.1/P73}

Mechanical Engineering, Manufacturing and Related Subject Area

	Wei, G. (2016). ***Nonlinear stochastic control and filtering with engineering-oriented complexities***. Boca Raton : CRC Press. {629.8312/W42}
	Rush, C. (2016). ***Programming the Photon: Getting started with the internet of things***. New York : McGraw Hill Education. {629.895/R89}
	Moran, S. (2017). ***Process plant layout***. 2nd ed. Amsterdam : Elsevier. {670.42/M79}

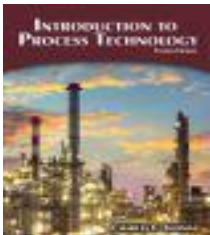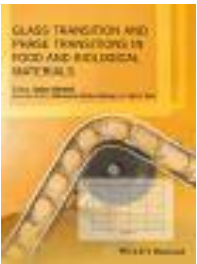|	
	ThreeG Elearning. (2016). *Masonry: Intermediate*. United Arab Emirates : 3G Elearning. {693.1/T41}
	Fitzgerald, R. (2017). *Fire performance analysis for buildings*. 2nd ed. Chichester, United Kingdom : Wiley. {693.82/F57}
	Miller, M. (2016). *Carpentry and construction*. 6th ed. New York : McGraw-Hill Education. {694/M61}
	Sarbu, I. (2017). *Solar heating and cooling systems: Fundamentals, experiments and applications*. Amsterdam, Netherland : Elsevier. {697.78/Sa71}
	Wijeysundera, N. (2016). *Principles of heating, ventilation and air conditioning with worked examples*. New Jersey : World Scientific. {697/W64}

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	Biech, E. (2017). *The art and science of training*. Danvers, MA : ATD Press. {658.3124/B47}
	Wiley Blackwell handbook of the psychology of training, development, and performance improvement. (2015). Chichester, West Sussex : Wiley Blackwell. {658.3124/W64}
	Quality management. (2017). New York, NY : Larsen and Keller. {658.4013/Q25}
	Cachon, G. (2017). *Operations management*. New York, NY : McGraw-Hill. {658.5/C11}
	Heizer, J. (2017). *Principles of operations management*. 10th ed. Boston : Pearson. {658.5/H36}

Chemical Engineering & Related Subject Area

	Klein, J. (2017). *Process safety: Key concepts and practical approaches*. Boca Raton : Taylor & Francis. {660.0684/K67}
	Thomas, C. (2016). *Introduction to process technology*. 4th ed. Australia : Cengage Learning. {660.28/T36}
	Glass transition and phase transitions in food and biological materials. (2017). Chichester, West Sussex : John Wiley & Sons Ltd. {660.2963/G46}
	Schmid, R. (2016). *Biotechnology: An illustrated primer*.Weinheim, Germany : Wiley-VCH Verlag GmbH & Co. {660.6/Sch52}
	Huitt, W. (2017). *Bioprocessing piping and equipment design: A companion guide for the ASME BPE standard*. Hoboken, New Jersey : John Wiley & Sons, Inc. {660.63/H87}

	Katoh, S. (2015). *Biochemical engineering: A textbook for engineers, chemists and biologists*. Weinheim : Wiley-VCH. {660.63/K15}
	Liu, S. (2017). *Bioprocess engineering: Kinetics, sustainability, and reactor design*. 2nd ed. Amsterdam, Netherlands : Elseiver. {660.63/L74}
	Application of green solvents in separation processes. (2017). Amsterdam, Netherlands : Elsevier. {660/Ap58}
	Multiphase reactor engineering for clean and low-carbon energy applications. (2017). Hoboken, New Jersey : John Wiley & Sons, Inc. {662.625/M91}
	Ashurst, P. R. (2017). *Soft drink and fruit juice problems solve*. Cambridge, MA : Elsevier. {663.62/As39}
	Stanbury, P. (2017). *Principles of fermentation technology*. 3rd ed. Amsterdam : Elsevier. {664.024/St24}
	Food packaging materials: Testing & quality assurance. (2017). Boca Raton, FL : CRC Press. {664.09/F73}

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