



FACULTY FULL NAME: Dr. Arun Vijay Subbarayalu

POSITION: Assistant Professor

Personal Data

Nationality		Indian
Date of Birth		١٤-٠٤-١٩٧٦
Department		Deanship of Quality and Academic Accreditation
Official IAU Email		aushortbarayalu@iau.edu.sa
Office Phone No.		+١٣٣٣٣٣٥٠٣

Language Proficiency

Language	Read	Write	Speak
English	Proficient	Proficient	Proficient
Tamil	Proficient	Proficient	Proficient

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2014	Doctor of Philosophy (PhD) in Business Administration	Madurai Kamaraj University, India	Palkalai Nagar, Madurai-625021, Tamilnadu, India
2011	Doctor of Philosophy in Physiotherapy	Ramakrishna Mission Vivekananda University, India	Coimbatore Campus, SRKV Post, Periyanaickenpalayam, Coimbatore, Tamil Nadu-641020, India
2008	Post Graduate Diploma in Hospital Administration (PGDHA)	Alagappa University, India	Karaikudi-630003, Tamilnadu, India
2008	Six Sigma Black Belt Certification	Indian Statistical Institute, Coimbatore, TN, India	514, 1st Floor, Mettupalaym Road, Tatabad, North Coimbatore, Coimbatore, Tamil Nadu 641002
2006	Master of Business Administration (MBA)	University of Madras, India	Navalar Nagar, Chepauk, Triplicane, Chennai, Tamil Nadu 600005, India



2001	Master of Physiotherapy (MPT) Specialty: Sports Physiotherapy	The Tamilnadu Dr. MGR Medical University, India	69, Anna Salai, Little Mount, Guindy, Chennai, Tamil Nadu 600032
1997	Bachelor of Physiotherapy (BPT)	The Tamilnadu Dr. MGR Medical University, India	69, Anna Salai, Little Mount, Guindy, Chennai, Tamil Nadu 600032

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

Ph.D.	<p>(i) Doctor of Philosophy in Physiotherapy</p> <p>Research Title:</p> <p><i>Analysis of Musculoskeletal disorders experienced by the Software Professionals in the Computer workstation and the effect of Physiotherapeutic intervention on their Postural Neck pain.</i></p> <p>(ii) Doctor of Philosophy in Business Administration</p> <p>Research Title:</p> <p><i>Occupational health hazards of employees related to Information Technology Industries with special reference to Coimbatore and Bangalore city.</i></p>
Master	<p>(i) Master of Physiotherapy (MPT) dissertation title:</p> <p><i>Effect of Static Stretching and Ultrasound combined Static stretching on the extensibility of Triceps Surae Muscles in Healthy Men</i></p> <p>(ii) Master of Business Administration (MBA) dissertation title:</p> <p><i>Employees attitude towards Working Conditions and Training Program with special reference to KG Hospital, Coimbatore.</i></p>
Six Sigma Project title	<p>Topic of Six Sigma Black Belt Project:</p> <p><i>Implementation of DMAIC Methodology to improve the academic performance of the students at the Collegiate Level'</i></p>
Academic Honor/Award	<p>Name of the Award : Best Teacher Award</p> <p>Awarding Institution: The Tamilnadu Dr. MGR Medical University, Chennai, India</p> <p>Year of Award : 2010</p> <p>Name of the Award : Best Researcher Award</p>



	Awarding Institution: Indian Association of Physiotherapists (Salem Branch) Year of Award : 2018
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Professional Record: (Beginning with the most recent)

Job Rank		Place and Address of Work	From	To
Assistant Professor	1	Deanship of Quality and Academic Accreditation (DQAA), D3 Building, Imam Abdulrahman Bin Faisal University, Eastern campus, Post Box No. ١٩٨٢, Dammam-٣١٤٤١, Saudi Arabia	September 2015	Till date
Lecturer in Quality Management	2	Deanship of Quality and Academic Accreditation (DQAA), D١ Building, Imam Abdulrahman Bin Faisal University (Formerly University of Dammam), Eastern campus, Post Box No. ١٩٨٢, Dammam-٣١٤٤١, Saudi Arabia	February 2010	September ٢٠١٥
General Manager, Quality Assurance Department	3	KG Hospital & Post Graduate Medical Institute, ١٨, Arts College Road, Coimbatore	January ٢٠٠٩	February ٢٠١٠
Professor in Physical Therapy	4	KG College of Physiotherapy, KGISL Campus, Saravanampatti Post, Coimbatore-٦٤١٠٣٥, India	September 2006	February ٢٠١٠
Academic Coordinator-MBA Healthcare Management Program	5	KG Hospital & Post Graduate Medical Institute, ١٨, Arts College Road, Coimbatore	January ٢٠٠٨	February ٢٠١٠
Associate Professor in Physiotherapy	6	KG College of Physiotherapy, KGISL Campus, Saravanampatti Post, Coimbatore-٦٤١٠٣٥, India	September 2003	August ٢٠٠٦
Assistant Professor in Physiotherapy	7	KG College of Physiotherapy, KGISL Campus, Saravanampatti Post, Coimbatore-٦٤١٠٣٥, India	December 2001	September ٢٠٠٣
Lecturer in Physiotherapy	8	KBYS College of Physiotherapy, Athanoor, Konapet Post, Pudukkottai-٦٢٢٥٠٣, India	January ١٩٩٨	June ١٩٩٩

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Chairman-Quality Measurement & Evaluation Department	Room No. ٢٠٨٨, Deanship of Quality & Academic Accreditation, D3 Building, Imam Abdulrahman Bin Faisal University, Eastern Campus, Dammam, Saudi Arabia.	June ٢٠١٨-Till date
Principal & Head	KG College of Physiotherapy, KGISL Campus, Saravanampatti Post, Coimbatore-٦٤١٠٣٥, Tamilnadu, India	May ٢٠٠٣ to February 2010.

Scientific Achievements



Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	<u>Arun Vijay Subbarayalu</u> , Ahmed Al Kuwaiti	Quality of Work life of teaching staff working at a Higher Education Institution in Saudi Arabia: A Cross-sectional study	Journal of Social Service Research Article link: https://doi.org/10.1080/01488376.2018.1481173
2	Ahmed Al Kuwaiti, Vinoth Raman, <u>Arun Vijay Subbarayalu</u> , Sivasankar Prabakaran, RM Palanivel, Goparaju Anumolu.	Computing the Infection Period of HIV and TB Patient through Non-Deterministic Model,	<i>Int. J. Comp. Theo. Stat.</i> , 5(1), pp. 15-18, May 2018
3	<u>Arun Vijay Subbarayalu</u> , Mariam Amir.	Relationships among head posture, pain intensity, disability and deep cervical flexor muscle performance in subjects with postural neck pain.	<i>Journal of Taibah University Medical Sciences</i> , Volume 6, Issue 2, pp. 541-547, December 2017
4	Ahmed Al Kuwaiti, <u>Arun Vijay Subbarayalu</u>	Reducing Hospital Acquired Infection rate using Six Sigma DMAIC Approach	<i>Saudi Journal of Medicine and Medical Sciences</i> , 5 (3), 260-66, September 2017.
5	<u>Arun Vijay Subbarayalu</u> , Ahmed Al Kuwaiti	Development of a Six-sigma rating scale for measuring the quality of work life of teaching staff working in Saudi universities,	International Journal for Quality Research, Volume 11, Issue 2, August 2017
6	Ahmed Al Kuwaiti, <u>Arun Vijay Subbarayalu</u>	Reducing patients' falls rate in an Academic Medical Center (AMC) using Six Sigma "DMAIC" approach,	International <i>Journal of Health Care Quality Assurance</i> , Vol 30, Issue 4, pp. 373-384, May 2017
7	Ahmed Al Kuwaiti, Vinoth Raman, <u>Arun Vijay Subbarayalu</u> , Palanivel R.M., Sivasankar Prabhakaran.	Predicting The Exit Time Of Employees In An Organization Using Statistical Model	<i>International Journal of Scientific and Technology Research</i> , 5(12), pp. 213-217, December 2016.
8	Arun Vijay Subbarayalu	Measurement of Craniovertebral angle by the Modified Head Posture Spinal Curvature	<i>Physiotherapy Theory and Practice</i> , 32 (2), pp. 144-152, February 2016.



		Instrument: A reliability and validity Study.	
9	Ahmed Al Kuwaiti, M AlQuraan, <u>Arun Vijay Subbarayalu</u> .	Understanding the effect of response rate and class size interaction on students' evaluation of teaching in a higher education.	<i>Cogent Education</i> , 3(1), June 2016
10	Ahmed Al Kuwaiti, <u>Arun Vijay Subbarayalu</u>	Appraisal of Students Experience Survey (SES) as a measure to manage the Quality of Higher Education in the Kingdom of Saudi Arabia: An Institutional study using Six Sigma Model.	<i>Educational Studies</i> , Volume 41, Issue 4, May 2015.
11	Ahmed Al Kuwaiti, <u>Arun Vijay Subbarayalu</u>	Health Science Students Attitude about Research Training Programs offered in Saudi Universities.	<i>Quality Assurance in Education</i> , Vol. 23, Issue 2, 2015
12	Arun Vijay Subbarayalu	Reduce and optimize patients discharge process using Six-sigma DMAIC Approach.	<i>International Journal of Quality Research</i> , 7(2), pp. 169-182, April 2014
13	Arun Vijay Subbarayalu	Appraisal of Student Rating as a measure to manage the Quality of Higher Education in India: An Institutional study using Six Sigma Model Approach.	<i>International Journal of Quality Research</i> , 7(4), pp. 493-508, October 2013
14	Arun Vijay Subbarayalu	Occupational Health Problems of Call Center Workers in India: A Cross Sectional Study Focusing on Gender Differences.	<i>Journal of Management Science and Practice</i> , 1 (2), pp. 63-70, 2013
15	<u>Arun Vijay.S.</u> , Sekar.P.C.	A New Quality Rating system for the Computer Workstation arrangements of the Information Technology Industries: A Six Sigma Model Approach.	<i>Research Journal of Management Sciences</i> , 2(7), pp. 15-21, July 2013
16	<u>Arun Vijay.S.</u> , Sekar.P.C.	Reliability and Validity of Occupational Health and Wellness Questionnaire (OHAWQ) for Information Technology Professionals in India.	<i>International Journal of Innovative Research and Studies</i> , 2(6), 290-305, June 2013



17	Arun Vijay. S., Sekar. P.C.	Work-related quality of life and its association with work productivity among the employees of the Information Technology Enabled Service (ITES) industries in India.	<i>International Journal of Human Resources Management</i> , 2(2), pp. 17-26, May 2013
18	Arun Vijay. S.	Work-related musculoskeletal Health Disorders among the Information Technology Professionals in India: A prevalence study.	<i>International Journal of Management Research and Business Strategy</i> , 2(2), pp. 118-128, April 2013
19	Arun Vijay. S.	Effect of Deep heat combined Static Stretching on the Triceps surae Muscle extensibility in Athletes recovering from first degree lateral ligament sprain of Angle Joint.	<i>Journal of Adapted Physical Education and Yoga</i> , Volume 1, Issue 1, pp. 29-36, 2011
20	Arun Vijay. S.	Critical factors of Health in Information Technology Professionals and its impact on Productivity-A Case study using Six Sigma model Approach.	<i>Journal of Management Research</i> , 1(2), pp. 12-17, June 2009

Books/Book Chapters Authored

Authors	Title of the Book	Publisher (Country)	Year
Author: <u>Arun Vijay.S</u> , Co-authors: Arthi.V, Mithum Kuriakose	MCQs in Sports Physiotherapy (with Explanatory Answers) ISBN: 9789380704159	Jaypee Brothers and Medical Publisher, India	2010

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	<u>Arun Vijay</u> <u>Subbarayalu</u> , Ahmed Al Kuwaiti	Quality of Work Life [QoWL] of Faculty Members in Saudi Higher	International Journal of Educational Management	4 th July, 2018



	Education Institutions: A Comparison between undergraduate Medical and Engineering Program		
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Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Arun Vijay. S	Evaluation and management of Postural neck pain: a multidisciplinary approach using postural re-education, ergonomics and myofascial release therapy	SPA-Summit of Physiotherapists, Chidambaram, India, Annamalai University, 8 th September 2014.
2	Arun Vijay.S.	Practical Application of Knee Joint Manipulations	National Conference organized by the Federation of Orthopedic & Sports Centre, Chennai, India 30 th October 2009
3	Arun Vijay. S	Role of Physiotherapists as Ergonomic Consultant for Information technology Industries	National Conference organized by Annamalai University, Chidambaram, India. 20 th October 2009
4	Arun Vijay.S	Application of Ergonomics in Information Technology Professionals	National Ortho Physio Conference organized by Ganga Hospital, Coimbatore, India 19 th July 2009.
5	Arun Vijay.S	Evidence Based Physiotherapy Practice	National Ortho Physio Conference organized by Ganga Hospital, Coimbatore, India 18 th July 2009.
6	Arun Vijay. S	Analysis of Human-system interface in Indian Computer Workstation.	International Conference on Ergonomics, Bangalore, India, RECOUP- Neuromusculoskeletal Rehabilitation Centre, June 2008.



7	Arun Vijay.S.	Mechanics of Knee Injury	KG PHYSIOCON 2004-A state level Physiotherapy conference; Organized by KG Hospital & Post Graduate Medical Institute, Coimbatore; 21 st October 2005
8	Arun Vijay.S.	Efficacy of Post Menisectomy Rehabilitation	ORTHO PHYSIOCON-2004, organized by Richmond Hospital, Coimbatore, India. 14 th October 2004
9	Arun Vijay.S.	Advances in Shoulder Injury Rehabilitation	KG PHYSIOCON 2004-A state level Physiotherapy conference; Organized by KG Hospital & Post Graduate Medical Institute, Coimbatore; 8 th July 2004.
10	Arun Vijay.S.	Current Therapy to Optimize Primary and Secondary Cardiopulmonary dysfunction	South Indian Physiotherapy Meet organized by Pandiyalal Balal College of Physiotherapy, Mangalore, Karnataka. 22 nd June 2003
11	Arun Vijay. S.	Role of Physical Therapy to Optimize Primary and Secondary Cardiopulmonary dysfunction	KG PHYSIOCON 2003-A state level Physiotherapy conference; Organized by KG Hospital & Post Graduate Medical Institute, Coimbatore; 5 th April 2003.
12	Arun Vijay.S	Effect of Static Stretch and Ultrasound combined static stretch on the extensibility of Triceps Surae Muscles during athletic Conditioning Program.	41 st Annual Conference of Indian Association of Physiotherapists, Mumbai, India, Indian Association of Physiotherapists, 29 th to 31 st January 2003.
13	Arun Vijay.S.	Recent Trends in Knee Injury Rehabilitation	Upsurge-2002, Indian Association of Physiotherapists Annual Conference of Kerala Chapter Kochi India, 3 rd March 2002



Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Arun Vijay Subbarayalu (Deanship of Scientific Research, University of Dammam)	The Quality of Work-life among the faculty and academic staff working at a Higher Education Institutions in Saudi Arabia: A Cross sectional Study	2014
2	Al Kuwaiti. A, <u>Arun Vijay Subbarayalu</u> , (Deanship of Scientific Research, University of Dammam)	Effect of Six-sigma methods to reduce risks and improve Patient safety in a tertiary care hospital setting in Saudi Arabia	2014
3	Ahmed Al Kuwaiti, <u>Arun Vijay Subbarayalu</u> (Deanship of Scientific Research, UOD)	Effect of Risk Management Training Program on Patient Safety and Quality of care at a group of tertiary care Hospitals in the Kingdom of Saudi Arabia	2013
4	Arun Vijay Subbarayalu (Deanship of Scientific Research, UOD)	Students attitude towards Research training programme offered at Health Sciences Colleges in the Kingdom of Saudi Arabia	2012

Current Researches

#	Research Title	Name of Investigator(s)
1	Managing students' evaluation surveys using online system in a Higher Education Environment	Ahmed Al Kuwaiti, Arun Vijay Subbarayalu, Ajayan Kamalasanan
2	Application of Six Sigma and Lean Six Sigma Methodology in Higher Education Institutions: A Systematic Review	Ahmed Al Kuwaiti, Arun Vijay Subbarayalu

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	ANANDHAM-2003- University level Intercollegiate Sports and Cultural Meet	Coimbatore; 13 th to 15 th October 2003	Organizing Secretary
2	KG PHYSIOCON-2003; Cardiopulmonary Rehabilitation	Coimbatore; 5 TH April 2003	Organizing Secretary



3	KG PHYSIOCON-2004; Shoulder Injury Rehabilitation	Coimbatore; 8 th July, 2004.	Organizing Secretary
4	KG PHYSIOCON-2005; Knee Injury Rehabilitation	Coimbatore; 21 st July, 2005.	Organizing Secretary

Membership of Scientific and Professional Societies and Organizations

- Health and Care Professions Council, United Kingdom. Membership No. PH 70276.
Expiry date: May 2020
- Indian Society of Ergonomics. Life Membership No. 210
- Indian Association of Physiotherapists (Life Membership Reg.No. 8505L)

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code*	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Exercise Therapy & Massage	Revised Regulations; Code No. 5131. New modified Regulations; Code No. 0310.	350 hours of lecture which includes both Theory & Practical; taught 6 times in my career.
2	Electrotherapy-II	Revised Regulations; Code No. 5147	200 hours of lecture which includes both Theory & Practical; taught 8 times in my career.
3	Biomechanics	New modified Regulations; Code No. 0317	200 hours of lecture & demonstration; taught 4 times in my career.
4	Physiotherapy in Orthopaedic Conditions	New modified Regulations; Code No. 0186. Revised Regulations; Code No. 5177	250 hours of lecture which includes both Theory & Practical; taught 6 times in my career.
5	Physiotherapy for Cardiorespiratory conditions	New modified Regulations; Code No. 0186	200 hours of lecture which includes both Theory & Practical; taught 3 times in my career.
6	Physiotherapy Graduation Projects	New modified Regulations; Code No. 0188.	Supervised thirty (N=30) undergraduate projects from the academic year 2002 to 2010.

*Course codes are as per the Tamilnadu Dr. MGR Medical University, Chennai, India

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)



Course Title: Exercise Therapy & Massage (Code No. 5131): Through this course, students will learn the principles, techniques and effects of exercise & massage as a therapeutic modality in the restoration of physical function. After 350 hours of lectures and demonstrations in addition to practical and clinic, the student will be able to list the indications and contraindications of various types of exercise & massage, demonstrate the different technique, and describe the effects.

Course Title: Electrotherapy-II (Code No. 5147):

Through this course, student will learn the principles, technique and effects of electrotherapy as a therapeutic modality in the restoration of physical function. After 200 hours of lectures, demonstrations, practical and clinic the student will be able to list the indications and contraindications of various types of electrotherapy demonstrate the different technique and describe their effects.

Course Title: Biomechanics (New modified Regulations; Code No. 5147; Revised Regulations **Code No. 5148**):

This course supplements the knowledge of anatomy and enables the students to have a better understanding of the principles of biomechanics and their applications in musculoskeletal function and dysfunction. After 150 hours of lectures and demonstrations in Addition to clinical the student will be able to demonstrate an understanding of the principles of bio-mechanics and kinesiology and their application in health and disease.

Physiotherapy in Orthopaedic Conditions (New modified Regulations; Code No. 5177; Revised Regulations, **Code no. 5177**):

This course serves to integrate the knowledge gained by the students in clinical orthopedics with the skills gained in exercise therapy, electro therapy and massage, thus enabling them to apply these in clinical situations of dysfunction due to pathology in the musculoskeletal system. This course includes 250 hours of lectures and demonstrations, practical and clinical, the student will be able to identify disability due to musculoskeletal dysfunction. Set treatment goals and apply their skills in exercise therapy, electro therapy and massage in clinical situation to restore musculoskeletal function.

Physiotherapy in Cardiorespiratory Conditions (Revised Regulations, **Code No. 5178**):

This course serves to integrate the knowledge gained by the students in clinical cardiorespiratory conditions with the skills gained in exercise therapy, electro therapy and massage, thus enabling them to apply these in clinical situations of dysfunction due to pathology in the cardio-respiratory pathology. This course includes 100 hours of lectures and demonstrations, practical and clinical & at the end of this course, the student will be able to identify disability due to cardio-respiratory dysfunction, set treatment goals and apply their skills in exercise therapy, electro therapy and massage in clinical situation to restore cardio-respiratory function.

Physiotherapy Graduation Project (New Modified Regulations, **Code No. 5188**):



This assignment of clinical study is designed to develop the aptitude among students to reading, selecting reference, review of literature, collection of data, analysis, to present A written report or study in a selective group of patients and normal subjects. The work shall be commenced in the III year itself. The student will submit to the university a written project/case study/report through Institution of study. The student will be expected to submit the above one month before the final year theory Examination of the B.P.T degree course. Each student will receive guidance from the physiotherapy teacher towards referring relevant literature/collect required data and discuss them with the project guide Periodically. After correction and edition of handwritten manuscripts by the project guide, the Student will complete his/her study work into a manual form for submission to the Institution of study. Under case study, the student may study the patients in clinical areas, consolidate. The findings and discuss them with the project guide before compiling in to final Shape.

Postgraduate

(A) Master of Physiotherapy Degree (MPT) Program

#	Course/Rotation Title	No./Code*	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Basic Sciences- <ul style="list-style-type: none"> ● PT Education & Practice and Education Technology ● Research Methods & Bio Statistics 	Revised Regulations Code No. ٨١٠١	120 hours of lecture which includes both Theory & demonstration; taught ٤ times in my career
2	Physiotherapy Modalities	Revised Regulations Code No ٨١٠٢	140 hours of lecture which includes both Theory & Practical; taught ٤ times in my career
3	Advanced Physiotherapy Management	Revised Regulations Code No ٨١٠٣	180 hours of lecture which includes both Theory & Practical; taught ٣ times during my career
4	Sports Physiotherapy (Elective Course)	Revised Regulations Code No ٨١٠٧	240 hours which consists of lectures, seminars, case presentation, and dissertation supervision.

*Course codes are as per theTamilnadu Dr. MGR Medical University, Chennai, India

(B) Master of Business Administration (MBA-Healthcare Management)

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Principles of Management & Organizational Behavior	Paper no. 1.1; 2007-2009 regulations	3 credit hours mainly consist of lecture & class room activities.
2	Human Resource Management	Paper no. 1.5; 2007-2009 regulations	3 credit hours mainly consist of lecture & class room activities.
3	Research Methods for Management	<i>Paper no. 1.7;</i> <i>2007-2009</i> <i>regulations</i>	3 credit hours mostly consist of lecture & class room activities.



4	Hospital Operations-I (Patient Care) [Quality Management in Healthcare]	(Paper no. 2.3; 2007-2009 regulations):	3 credit hours mostly consist of lecture, class room activities, Hospital placements and project work guidance.
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*Course codes are as per Bharathiar University, Coimbatore, India

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

A. Master of Physiotherapy (MPT) Program	
1	<p>Course Title: Basic Sciences (Code No. 8101): This course consists of four modules viz.</p> <ul style="list-style-type: none"> I. Bio Statistics and Research Methodology II. Biomechanics and Pathomechanics III. Ergonomics IV. Nutrition and Exercise Physiology
2	<p>Course Title: <i>Physiotherapy Modalities-New Regulations & Physiotherapeutics</i>-Revised Regulations; (Code No. 8102)</p> <p>This paper consists of 4 Modules:</p> <ul style="list-style-type: none"> • Manual therapy • Exercise therapy • Electrotherapy • Electrophysiology
3	<p>Course Title: <i>Advance Physiotherapy Management</i> (Code No. 8103); Revised Regulations</p> <p>This course consists of 3 modules:</p> <ul style="list-style-type: none"> ● Advanced PT in Orthopaedics ● Advanced PT in Neurology ● Advanced PT in Cardio-respiratory conditions <p>This course consists of 180 hours of lecture with 320 hours of clinical practice in the teaching hospital during the period of curriculum.</p>
4	<p>Course Title: <i>Sports Physiotherapy (Elective Subject; Code No. 8104)</i></p> <p>This is an elective course/Specialty paper offered in two parts viz.</p> <p>Part I Advanced Physiotherapy Intervention Techniques used in the Management of Sports Specific Injuries.</p> <p>Part II Special Topics viz.</p> <ul style="list-style-type: none"> • Nutrition, pharmacology and psychology in sports • Sports specific fitness training • Ergonomics for sports • Fitness testing and evaluation • Fitness programming for healthy adults and special population



B. Master of Business Administration Program (MBA Healthcare Management)	
1	<p><i>Principles of Management & Organizational Behavior (Paper no. 1.1; 2007-2009 regulations):</i> This course presents the principles of management, emphasizing managerial functions and behavioral concepts and its practical applications in the organization. This course enables the students to learn the basic functions, principles, concepts of management and behavioral aspects in the organization.</p>
2	<p><i>Human Resource Management (Paper no. 1.5; 2007-2009 regulations):</i> This course presents the human resource functions, recruitment, placement, training, development, compensation, managing quality, labor relations and employee security. Goals: To enable the students to learn the importance of the human resources, recruitment and training and also the importance of the labor relations in the organization.</p>
3	<p><i>Research Methods for Management (Paper no. 1.7; 2007-2009 regulations)</i> This course presents the basic concept of research design, hypotheses, sampling techniques, testing the significance and report writing. This course enables the students to learn the importance of the research, various methods of analysis of data and its applications in the business management.</p>
4	<p><i>Hospital Operations-I (Patient Care) [Quality Management in Healthcare] (Paper no. 2.3; 2007-2009 regulations):</i> This course provides an overview of the management of scope of patient care services and narrates the significance of patient care – role of administration in patient care – classification of Hospital. It helps students to understand various departmental functions of the Healthcare settings. It explains the concept of quality – Quality control – Quality assurance – ISO 9000 standards – TQM – Accreditation – NABL – JCAHQ – Quality manual – Medical tourism.</p>

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To
1	PT Modalities (Code No. ٨١٠٢)	✓			✓	March 2004	February ٢٠٠٨
2	Advanced PT Management Code No. ٨١٠٣		✓		✓	March 2005	February ٢٠٠٩
3	Sports Physiotherapy (Code No. ٨١٠٧)	✓			✓	March 2005	February ٢٠١٠
4	Biomechanics (Code No. ٥٣١٧)		✓	✓		March 2005	February ٢٠٠٨



4	PT in Orthopaedics (Code No. ٥١٨٦; ٥١٧٧)	✓		✓		January 2003	January ٢٠٠٨
5	PT in Cardiorespiratory conditions (Code No. ٥١٧٨)	✓		✓		January 2002	January ٢٠٠٣
6	Electrotherapy-II (Code: ٥١٤٧)	✓		✓		April ١٩٩٨	April ١٩٩٩
7	Exercise Therapy (Code no. ٥١٣١)		✓	✓		April ١٩٩٨	April ١٩٩٩
Master of Business Administration Program (Healthcare Management Program Coordination)							
8	MBA Program Coordinator	✓			✓	January 2008	January ٢٠١٠

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Introduction to Healthcare Quality Management (MPQS 600)	Evaluating Quality	Health Information Management & Technology Program, College of Public Health, Imam Abdulrahman Bin Faisal University	30 th October 2018
2	Quality Improvement and Patient Safety Course	Importance of Quality Improvement Research in Primary Care	Department of Family & Community Medicine, Imam Abdulrahman Bin Faisal University	9 th November, 2017
3	Quality Improvement and Patient Safety Course	Introduction to Lean Six Sigma for Healthcare Professionals	Department of Family & Community Medicine, Imam Abdulrahman Bin Faisal University	7 th November, 2017
4	Workshop	Application of Statistical Tools in Health Science Research	KG College of Physiotherapy affiliated to the Tamilnadu Dr. MGR Medical University, India	30 th August 2017 to 31 st August 2017
5	Guest Lecture	Understanding and managing Mental Health Problems among students	Mount Zion College of Engineering, Pudukkottai	30 th August 2015
6	Guest Lecture	How to get hired? (Employability skills for Engineering Students)	Mount Zion College of Engineering, Pudukkottai	30 th August 2015



7	Workshop	Application of Statistical Tools in Physiotherapy Research	Narayana College of Physiotherapy, Nellore, India	22 nd August 2015 to 23 rd August 2015
8	Workshop	Application of Statistical Tools in Health Science Research	KG College of Physiotherapy affiliated to the Tamilnadu Dr. MGR Medical University, India	23 rd to 25 th August 2014
9	Workshop	Application of Statistical Tools in Health Science Research	KG College of Physiotherapy affiliated to the Tamilnadu Dr. MGR Medical University, India	July 5th to July 6th, 2013
10	Workshop	Application of Statistical Tools in Physiotherapy Research	KG College of Physiotherapy affiliated to the Tamilnadu Dr. MGR Medical University, India	October 2010
11	Guest Lecture	Working Abroad: Challenges & Opportunities	KGISL Institute of Technology, Saravanampatti Post, Coimbatore, India	5 th September, 2010
12	Workshop	Application of Statistical Tools in Physiotherapy Research	Thanthai Rovers College of Physiotherapy affiliated to the Tamilnadu Dr. MGR Medical University, Chennai.	5 th October to 6 th of October 2009

Student Academic Supervision and Mentoring (Students Graduation Projects)

#	Level	Number of Students	From	To
1	Bachelor of Physiotherapy	Thirty (N=٣٠)	2002	2009



Supervision of Master and/or PhD Thesis

#	Degree Type	Title (s) of the Thesis/Dissertation Supervised	Institution	Date
A	Master of Physiotherapy (MPT)	<ol style="list-style-type: none"> 1. An experimental study to assess the effectiveness of superficial heat combined static stretching and deep heat combined static stretching on the extensibility of triceps surae muscle during athletic conditioning program. 2. A study to assess the effectiveness of passive warm-up as compared with active warm-up on the extensibility of plantar flexors in young male athletes. 3. An experimental study to assess the effectiveness of different rest intervals on the exercise volume completed during squat bouts in collegiate football players 4. Effect of Tibia rotation on the electromyographical activity of the vastus medialis oblique and vastus lateralis longus muscles during isometric leg press for Athletes. 5. An experimental study to assess the effectiveness of massage versus cryotherapy on delayed onset muscle soreness and physical performance in Collegiate Basketball players 6. A study to assess the effectiveness of active and passive stretching on the extensibility of Hip flexor muscle in Shuttle badminton Players 7. An experimental study to assess the effect of power endurance versus general endurance training on power, speed, skill and anaerobic capacity in young male basketball players 8. An experimental study to analyze the effectiveness of combining two mobilization techniques of the treatment of Frozen shoulder syndrome 9. An experimental study to assess the effectiveness of a short term plyometric combined resistance training versus resistance training alone on fitness performance in young male athletes 	KG College of Physiotherapy, KG Hospital & Post Graduate Medical Institute, Coimbatore	Academic Years 2005-2006 to 2008-2009
B	Master of Business Administration (MBA)	1. Reducing waiting time of discharge summary process using six sigma methodologies in reference to KG Hospital, Coimbatore.	Bharathiar University, Coimbatore, India	May 2008
		2. A study to assess the impact of quality management system implementation on patient satisfaction with special reference to KG Hospital, Coimbatore	Bharathiar University, Coimbatore, India.	December 2009



		3. A study on the job satisfaction of employees with special reference to KG Hospital, Coimbatore.	Bharathiar University, Coimbatore, India	May ٢٠٠٩
		4. A Study to reduce the cycle time of Hospital discharge process using six sigma DMAIC Methodology	Bharathiar University, Coimbatore, India	May ٢٠١٠

Ongoing Research Supervision (As co-supervisor)

#	Degree Type	Title	Institution	Date
1	PhD in Business Administration (Healthcare Management)	Perception of Employees' on Quality of Healthcare Services provided in the Public and Private sector Hospitals: A Comparative Study.	Department of Business Administration, Annamalai University, Tamilnadu, India	2016-2020 (On going)

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	June ٢٠١٨	Till date	Chairman-Quality Measurement & Evaluation Department	Deanship of Quality & Academic Accreditation, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia
2	September 2015	May ٢٠١٨	Director of Performance Measurement Unit	Deanship of Quality & Academic Accreditation, Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia
3	September 2013	August ٢٠١٥	Director of Quality Studies & Research Unit	Deanship of Quality & Academic Accreditation, University of Dammam, Dammam, Saudi Arabia
4	September 2011	August ٢٠١٣	Director of Accreditation Unit	Deanship of Quality & Academic Accreditation, University of Dammam, Dammam, Saudi Arabia

Committee Membership

#	From	To	Position	Organization
1	2016	Till date	Member, DQAA Quality Council	Imam Abdulrahman Bin Faisal University, Dammam.
2	2018	Till date	Member of Advisory Committee for reviewing Course specifications & Reports under Vice Presidency for Academic Affairs	Imam Abdulrahman Bin Faisal University, Dammam.



3	2015	Till date	Member, Accreditation Committee for NCAAA Standard ٣ (Quality Management)	Imam Abdulrahman Bin Faisal University, Dammam.
4	2013	2014	Member, Steering Committee for NCAAA Institutional Accreditation, Standard ٣ (Quality Management) & Standard ٦ (Learning Resources)	University of Dammam
5	2009	2010	Member, Faculty Board of Physiotherapy, The Tamilnadu Dr. MGR Medical University	The Tamilnadu Dr. MGR Medical University, Chennai, India

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Possesses thorough working knowledge on Quality management Statistical tools and statistical software such as SPSS and Mini TAB to analyze results from mixed methodology research
2	Possesses practical knowledge to analyze quantitative and qualitative data using statistical methods that include seven Quality improvement tools, Design of Experiment (DOE), Structural Equation Modeling (SEM), Regression, Effect size, Ratio, factorial analysis, one-way and two-way ANOVA, etc.
3	Possesses the ability to develop & measure Key Performance indicators for evaluating various academic and administrative activities of the university (Developed a unique KPI model for that).
4	Possesses the ability to write Self-study report for both Program and Institution to fulfill the accreditation and re-accreditation process
5	Possesses required skills to develop and assess Learning Outcomes of any higher education program
6	Possesses advanced computer literacy skills to use Word, Excel, Visio and PowerPoint presentations

Last Update

26/11/2018