## MANUAL PENGGUNAAN "iCGPA COURSE DEVELOPMENT v2"

Langkah 1: Pemetaan "Programme Educational Objectives" (PEO) kepada "Programme Learning Outcomes" (PLO)

Sila lengkapkan maklumat di kotak berwarna PUTIH sahaja.

\* Satu PLO sepatutnya dipetakan kepada satu PEO sahaja

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								PLO	vs PEO Matrix										
	PROGRAM	ME NAME	Bachelor of Med	ical Imaging (Hor	nours)				FACUL	TY	Health S	ciences		1					
	PROGRAM	ME CODE	HS242						i -	L			icgpa						
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	PROGRA	MME EDUC	ATIONAL OBJE	CTIVES (PEO	) - what th	e graduate	s are in 5	years time				NEXT							
	The prog	amme sha	all produce med	dical imaging (	practitione	rs who are:													
	PEO 1	knovledge	able and technica	lly competent in r	medical imag	ing discipline	in-line with	the industry requir	ement.										
	FEOT	capable to	solve medical imag	ning problems inc	novativelu or	eatively and a	thically thro	uch sustainable a	oproach			_							=
	PEO 2						,,	,											
	PEO 3	effective in	communication ar	nd demonstrate g	good leaders	hip quality in a	an organizat	ion.											
	PEO 4	able to dem	ionstrate entreprei	neurship skills an	nd recognize	the need of lit	e long learn	ing for successful	career advancement.										
	PEO 5	0000000	)									_							
	PROGRA	MME LEAR	NING OUTCOM	ES (PLO) - wh	nat the stud	dents will b	e able to d	do upon gradua	ation										
	At the end	l of this pro	gramme, stude	ents will be ab	le to:							PEO 1	PEO 2	PEO 3	PEO 4	PEO 5			
		acquire and	i apply knowledge	of science and r	medical imag	jing fundamer	ntals to diag	nostic radiography	/ field (Knowledge in S	pecific Area)				1200	1201				
	PL0 1											V							
	PLO 2	demonstrat	e comprenensive	technical compe	etencies in th	e medical ima	iging riela (P	ractical Skills)				$\checkmark$							
	PLO 3	utilise critic knovledge	al thinking and clin (Thinking and Sci	ical reasoning sk ientific Skills)	kills to identify	ı, analyse, ev	aluate and s	olve problems rela	ited to Medical Imagin;	g and conduct r	esearch to enhance			1					
	PLO 4	communica	ite effectively both	n in written and sp	ooken form wi	ith the health	care team ar	nd community. (Co	mmunication Skills)				$\checkmark$						
	PLO 5	understand the healthc	l social culture, glo are industry (Socia	obal and environr al Skills, Teamv o	mental respo irk and Respo	nsibilities and onsibilities)	ethics of Me	edical Imaging pro	lession in order to func	tion in a multi-d	isciplinary team rela	edto	1						
	PLO 6	understand Moral and p	l and commit profe professionalism)	ssionally, ethical	lly and with h	umane respo	nsibility, in lir	ne with the Medica	l Imaging field and the	healthcare ind.	astry. (Values, Ethios			V					Ţ
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Langkah 2: Pemetaan PLO kepada 9 MOE LO (Ministry of Education Learning Outcomes) Pemetaan PLO kepada 9 MQF LO (Malaysian Qualification Framework Learning Outcomes) dan kepada 6 Malaysian Education Blueprint (MEB) akan berlaku secara automatic, apabila PLO dipetakan kepada MOE LO.

\* Satu PLO sepatutnya dipetakan kepada satu MOE LO sahaja

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		demonstrate comp	orehensive te	chnical compe	tencies in the Me	dical Imaging field	╞━	, I							-	-				-			-		-	+		$\square$		
	PLO 2	(Practical Skills)						√									<b> </b> √							V						
	PLO 3	utilise critical thinki solve problems rela	ng and clinic ated to Medic	al reasoning ski al Imaging and	ills to identify, ana conduct researc	ilyse, evaluate and h to enhance			$\checkmark$												$\checkmark$			$\checkmark$	$\checkmark$					
		knovledge. (Thinki communicate effe	ing and Scier ctively both in	ntific Skills) n written and spr	oken form with the	e healthoare team and	-		•				-			-	-	<u> </u>		_	•		_	-	-	+	_	$\square$		
	PLO 4	community. (Comm	nunication SI	kills)						$\checkmark$															•	/				
	Di o c	understand social	culture, glob	al and environm	ental responsibil	ities and ethics of					,						1	,		,					+	+	, ,			
	PLUS	the healthcare inde	ustry (Social	Skils, Teamvor	k and Responsib	lities)					v							v		•						ľ	′ <b>`</b>	V		
	PLO 6	understand and co with the Medical Im	ommit profes: aging field a	sionally, ethicall nd the healthca	y and with humar re industry. (Valu	e responsibility, in line es, Ethics, Moral and						V							$\checkmark$							1	1			
		professionalism) recognize the need	d for and to e	ngage in life-lo	ng learning and n	nanagement of	-								_	-	-			-			_	-	-	+	_	H		
	PLO 7	information in the M Management and I	Aedical Imagi Life Long Le	ing and the heai arning)	lthoare industry. I	Information							√									$\checkmark$		$\checkmark$	$\checkmark$					
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Langkah 3: "Constructive Alignment" bagi kursus-kursus dalam program. Lengkapkan maklumat di dalam ruang berwarna putih.

- i) "Course Learning Outcomes" (CLO)
- kenalpasti "verb", "condition" dan "standard" bagi setiap pernyataan CLO.
- kategorikan setiap CLO kepada Bloom'S Taxonomy (C (cognitive), A (affective) dan P
- (psychomotor)) melalui "verb" yang digunakan. Tekan butang "BLOOM'S" untuk panduan.
- ii) "PLO Addressed by CLO"
- petakan setiap CLO kepada satu PLO yang hendak dinilai.
- apabila PLO dipilih, "Suggested TLA" dan "Suggested Assessment" akan keluar secara automatik. Anda perlu menyatakan TLA dan Assessment yang dipilih di dalam kolum "TLA Chosen" dan "Assessment Chosen" (anda cuma boleh memilih SATU kaedah penilaian sahaja).
- bagi setiap TLA yang dipilih, sila nyatakan SLT (Student Learning Time) bagi TLA tersebut.
   Peratusan TLA itu akan dikira secara automatik. Sila nyatakan peratusan yang anda sebenarnya anda inginkan, di dalam kolum "Weightage"

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1	Propose	solution to manufacturing and operations problems using related theory and analytical methods			45			√									Case Study, Project, Tutorial, Group Work,	Presentation, Essay,	Tutorial	28	29	Essay	30	
2	Organise	in groups to study and present the application of advanced manufacturing and operation analysis methods	based on given topics		P	5			1								Case Study, Project, Tutorial,	Presentation,	Case Study	28	29	Presentation	30	=
3	Explain	the main concepts and methods obtained from literatures to professionally analyse	the manufacturing and operation system	cs		1											Lecture, Tutorial,	Written Tests, Quiz,	Lecture	42	43	FEX	40	
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Langkah 4: Menyimpan data kursus

- i) Untuk menyimpan data kursus ke dalam "database" program, tekan butang "SAVE TO PART...." mengikut bahagian kursus itu sepatutnya berada. Contoh, kalau kursus itu ialah pada "PART 1" (atau Sem.1), tekan butang "SAVE TO PART 1", dan seterusnya. Maklumat asas kursus akan disimpan ke dalam "database" program. Anda boleh melihatnya dengan menekan butang "iCGPA DATABASE".
- ii) Untuk menyimpan data kursus ke dalam satu fail tersendiri :
  - a) Buat satu "folder" baru di dalam pacuan (drive) "C". Namakan "folder" itu sebagai "iCGPA".

b) Untuk menyimpan data kursus ke dalam satu fail tersendiri, tekan butang "SAVE THIS WORKSHEET TO A NEW FILE". Data di "worksheet" itu akan di simpan sebagai satu fail baru di C:\iCGPA\. Fail itu akan diberi nama kursus yang dibangunkan. Contoh, jika nama kursus ialah "MRD463", fail itu akan dinamakan "MRD463"

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