

ACTION PLAN IN RESPONSE TO FEEDBACK ON THE STUDENT EXPERIENCE: SESSION 2015-16

**Faculty of Engineering
School of Electronic and Electrical Engineering**

EXECUTIVE SUMMARY																		
Aspect	National Student Survey						Undergraduate Programme Experience Survey						Postgraduate Programme Experience Survey					
	2014-15		2013-14		2012-13		2014-15		2013-14		2012-13		2014-15		2013-14		2012-13	
	School	Uni	School	Uni	School	Uni	School	Uni	School	Uni	School	Uni	School	Uni	School	Uni	School	Uni
Overall satisfaction	90	90	91	88	92	87	89	87	77	85	86	85	72	85	97	85	89	87
Teaching	90	92	89	90	86	89	86	86	72	85	83	85	75	85	94	86	81	87
Assessment & feedback	83	74	84	71	73	71	66	63	68	62	67	59	69	71	76	71	78	75
Academic support	83	85	84	82	82	81	76	74	69	73	73	72	73	82	84	82	81	85
Organisation & management	87	85	90	85	78	84	76	76	79	75	77	73	65	82	83	81	72	85
Learning resources	97	92	94	91	88	90	84	84	82	83	79	81	77	87	86	85	93	86
Personal development	88	85	80	82	79	81	70	72	65	72	70	69	70	76	85	77	72	77
Sector position	11/80	21/145	11/62	50/146	10/63	57/147												

Scores in each category are expressed as a percentage of the number of respondents who mostly or definitely agreed with a range of statements (score 4 or 5)

Headline achievement in 2014-15	Over £250k investment in teaching laboratory facilities in Summer 2015
Main actions for 2015-16	<ol style="list-style-type: none"> 1. Outstanding new academic staff are to be appointed with expertise in robotics, embedded systems, smart energy and communications networks. 2. New industrial sponsorship for teaching from ARM and Freescale is to be confirmed. 3. New laboratory modules in Electronic Circuit Design, Programming/Software Development, Embedded Systems Design and FPGA Design will be delivered.
Good practice examples from 2014-15	<ol style="list-style-type: none"> 1. Screencasts to support computational work 2. Pre-lab tests with adaptive release to encourage preparation for practical work 3. Peer mentoring programme successfully run for all 1st year students 4. Customised English language tuition programme introduced for Level 2 Direct Entry students.
Summary of student involvement in the production of this Action Plan	Discussion & collection of suggestions at student:staff forum.

AGREED ACTION PLAN IN RESPONSE TO FEEDBACK ON THE STUDENT EXPERIENCE: SESSION 2015-16

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Aspect	Progress with 2014-2015 actions and indication of impact	Agreed Issues/Actions for 2015-2016	Responsibility/Expected completion date
Overall satisfaction	As detailed below.	NSS question average was 3 rd out of UK EEE university departments and best in Russell group. Big drop in PGT survey scores needs attention. Inter-school collaboration on new joint MSc programmes will be improved; programming tuition will be provided (see below); programme managers will meet more regularly with MSc cohorts.	Head of School (HoS) & Director of Student Education (DoSE) MSc Programme Managers Action ongoing throughout academic year
Teaching	"More teaching effort and expertise in Robotics is needed": Robotics & Embedded Systems Research & Teaching Fellow appointed Sept 2015; offers for 2 professorial appointments in Robotics made. Use of ARM platforms for Level 2 and 3 Embedded Systems modules was very successful Level 1 Labview teaching was successfully extended to all electronics students.	A new undergraduate programme in Electronic & Computer Engineering is starting. New high-spec ARM microcontroller/FPGA boards will be introduced in two new Level 5 modules on Embedded Systems Design and FPGA Design. 2x MSc programming modules are being introduced to address lack of programming experience amongst most MSc students. Taught Matlab laboratory sessions are being introduced for all Level 1 students to address dissatisfaction with self-study approach.	ELEC5566/5620M module leader (for Feb 16) ELEC5681/5685M Module leaders (for Sep 15) ELEC1701/2/3 lecturing staff (for Sep 15)
Assessment and feedback	Make marking criteria and feedback more specific to individual assignments where appropriate: ongoing.	Continue to make marking criteria and feedback more specific to individual assignments where appropriate. New Examination Paper Scrutiny Panel introduced to improve consistency of exam paper standards and styles. Mech Eng MSc project assessment criteria were not sufficiently clear. Work with Mech Eng to improve this.	All teaching staff; action ongoing throughout academic year DoSE and Examinations Officer Mech Eng MSc project co-ordinator. Action ongoing throughout academic year
Academic support	Supervision capacity for Mechatronics & Robotics MEng & MSc: 3 new appointments as above, plus new lecturers in Smart Energy systems and in Communications Networks, and a new University Academic Fellow in Ultrasound and Embedded	The new appointments will enable us to provide 2 members of staff for supervision of key laboratory modules which will reduce reliance on PhD demonstrators. Selected 4 th year MEng "buddies" will be allowed to demonstrate in 3 rd year labs (as	HoS/DoSE – 3 new appointments already in place and included in teaching workload distribution for 15/16. Other appointments expected for 16/17.

	Systems. Lecture Capture was adopted by almost all members of staff.	well as 1 st and 2 nd year), since they generally have more experience with the lab work than do PhD demonstrators.	Sep 15 onwards
Organisation and management	Timetabling: this has been further complicated by loss of key Faculty teaching rooms due to building work.	The School and Faculty SES have committed to carrying out a full rebuild of the School's teaching timetables during 2015-16. Particular attention will be paid to jointly delivered programmes. Mech Eng MSc projects need to be better organised.	School Student Education Service Manager (SESM) & Assistant (SESM). Ready for 16/17 Mech. Eng. MSc project co-ordinator; action ongoing throughout academic year.
Learning resources	Substantial (>£250k) investment in teaching laboratory facilities, including a full set of high spec oscilloscopes and function generators in the Keysight lab, extension of the Digital Media lab to a capacity of 60 Apple Macs, refurbishment & equipment replacement of the Embedded Systems lab, and a 25% increase in capacity, and new equipment in the Projects Lab.	Lab 261 will be used for project work in semester 2, in order to keep B55 available for scheduled teaching for which its higher capacity is required. A dedicated robotics teaching laboratory is required.	DoSE & 261 Lab. Manager. Already implemented in room scheduling. HoS/DoSE in Elec. Eng, Mech Eng and Computing. Discussions to start 15/16.
Personal development	The new 1 st year peer mentoring scheme was well received and will be continued. Student survey data indicates that the recently introduced 2 nd year study skills tutorial programme is making a significant contribution to personal development.	A Personal Development programme will be introduced in MSc personal tutorials	Taught Postgraduate Tutor, MSc Course Tutor, School Student Education Service Manager