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The 128th meeting of the Council of the School of Technology was held at 2.00 p.m. on Friday 21 October 2011 in the Board Room, Department of Engineering.

Present: Professor Howard Chase (Chairman)

Professor Nick Collings Professor Dame Ann Dowling Professor Sir Mike Gregory Professor Christoph Loch

Professor Lisa Hall Professor Andy Hopper Professor Alan Hughes Professor Robin Langley Professor Jan Maciejowski Professor Nigel Slater

Professor David Cardwell (School observer)
Mr Joe Bristow (Undergraduate representative)
Mr Soren Preibusch (Postgraduate representative)

Dr Shui Lam (Secretary)

Ms Charmain Allen (School Finance Manager) Ms Rachael Tuley (Interim Assistant Secretary)

In attendance: Professor Steve Young throughout, Mrs Sarah Botcherby for item 2091.

Apologies: Mrs Polly Courtice, Professor Neil Dodgson, Professor Chris Lowe,

Professor Robert Mair, Professor Bill Milne and Professor Richard

Prager (School observer), Professor Lindsay Greer.

The Chair welcomed Professor Loch, the new Director of the Judge Business School, to his first meeting.

UNRESERVED MINUTES

DECLARATION OF INTEREST

There was no declaration of interest.

2073 MINUTES

The unconfirmed unreserved minutes of the Council of the School of Technology held on Friday 10 June 2011 were approved and signed.

The confirmed unreserved minutes of the Needs Committee held on 5 July 2011 were circulated for information.

2074 MATTERS ARISING



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The Chairman referred to item 2056 (RCUK Post-Wakeham Efficiency Savings) and reported that a total of approximately £2m was now expected to be allocated to the Schools for matching Research Council funds for equipment. £6m would be held at University level and Schools would be invited to bid for funds for equipment. This issue is further amplified in item 2085 below.

2075 CHAIRMAN'S REPORT

The Chairman reported on the following items:

- The Vice-Chancellor's Annual Address, which focused on what the University contributes to society; strategically considered research directions and research communities; the University's relations with its alumni, donors and supporters;
- The Review of the Unified Administrative Service;
- North-West Cambridge: the Pro-Vice-Chancellor for Planning and Resources reported that a
 further £13m (in addition to £10m previously allocated) had been earmarked for continued
 planning. The intention was that the University would recommend that the project should
 commence next year.

2076 DEPARTMENT UPDATES

There were no departmental updates.

A. STRATEGIC PLANNING

2077 NEEDS COMMITTEE

The unconfirmed minutes of the Needs Committee held on 11 October 2011 were circulated. The Chairman highlighted the following items:

ITEM N1329 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2078 PLANNING ROUND 2011 (N1329)

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T/11/58	Letter from the Secretary of School, dated 21 July 2011, on the Planning Round 2011
	attaching the guidance from PRAO.
T/11/59	Draft objectives and plans for the planning period, 2012-13 to 2015-2016.

At its meeting on the 11th of October, the Needs Committee noted that the Planning Round 2011 has been launched,

Also that a number of areas required detailed consideration:

(A) International Strategy

The Needs Committee was asked the following: what are the School's intentions for international engagement and for projects involving lifelong learning and/or community outreach? In particular, if international programmes or partnerships are being developed



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over the next five years, what policy, including ethical considerations should be put in place to determine international collaboration?

The Committee was informed that the University was developing an international strategy to assist with high-profile areas of teaching, research and outreach activities. Professor Loch commented that Judge Business School was planning to consolidate its international activities. It was agreed that Departments should flag plans for international collaboration with the School and the International Office. It was also agreed that the Secretary should invite the new Head of the International Office to a future Council of the School meeting, to enable dialogue to take place.

Action: Heads of Department

- (B) <u>Priority lists for allocations of funding to enhance the 2014 REF submission</u>

 It was noted that this would be discussed at the next meeting of the Needs committee.
 - (C) <u>High-level objectives for the School</u>
 It was noted that the School is requested to consider and review the high-level objectives.

The Committee considered the draft objectives and suggested various amendments. There was a discussion about which would be the appropriate forum to oversee REF preparations, and the level of oversight required at the School level. Other points raised were the need to highlight the School's desire to increase admissions and also the need to campaign for better facilities at West Cambridge and to support economically-prudent provision of additional accommodation and social support for graduate students, research workers and other staff. It was agreed to incorporate all the comments and revise the paper for the next meeting of the Council of the School.

It was noted that Paper NC/11/55 proposed a transition for the income from premium fees from MPhil courses to be incorporated into the Resource Distribution Model (RDM) permanently. The Needs Committee considered the proposal and lamented the over-ten-year delay in receiving a return with the RDM. The Chairman agreed to forward the Committee's concerns to the Resource Management Committee.

The Council of the School considered the draft High level objectives for the School and made the following suggestions:

- Objective 3: reference to admissions procedures as being problematic in terms of recruiting the best students. Postdoctoral researchers should also feature under this objective;
- Objective 4: highlight the need for closer engagement between the Colleges and Departments (rather than it just being part of the academic development);
- Objective 5: refer to the employability of our students;
- Objective 7: insert reference to the planned research space in the Department of Engineering.

During the discussion, a number of points were raised:

• the School's specific research themes should be included in the School Plan and



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• the need to work closely with the Research Office regarding the processing of submissions and new grants.

Action: The Secretar	ĺ
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ITEM N1330 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2079 PLANNING: STUDENT NUMBERS (N1330)

T/11/60 Office Note: Student number forecast 2012-2013 to 2015-2016

At its meeting the Needs Committee noted that the School would be required to submit planned student numbers for 2012-13 to 2015-16. Paper NC/11/56 contains the draft planned and aspirational student numbers from Departments.

The Needs Committee expressed concerns about the capping policy and requested that, at the very least, research Masters should be excluded from this cap as the majority of these students would feed into the PhD programmes.

Additionally, the Needs Committee indicated that it would be useful if the University were to carry out a review of the operations of this capping policy to assess the effectiveness of the system and inform future policy and process.

The Needs Committee considered the planned student numbers and requested that a distinction be made between Masters courses which fell within the capping process and those which did not in the tables. A revised paper would be submitted to the Council of the School for consideration.

It was noted that the numbers were currently draft and if further changes are required, for instance, once actual numbers for 2011-12 are known, Departments would notify the School office.

At the meeting, the Council of the School considered the forecast student numbers for 2012–13 to 2015-16, based on departmental input.

In terms of undergraduate numbers, the Council of the School noted that although the 2011 Planning Enquiry guidance seeks that Schools maintain a stable level of undergraduate students during the planning period, departments have forecast undergraduate numbers to show an increase during the planning period (Appendix A-1 of Paper T/11/60). The Council of the School considered these planned numbers and supported their inclusion into the School's plan.

In terms of postgraduate numbers, the Council of the School noted the Colleges have indicated that the tight control over the student number admissions of one-year MPhils will continue to be operated during the planning period. The Council of the School noted the Needs Committee's concerns about the capping policy and its request that, at the very least, research Masters should be excluded from this cap as the majority of these students would feed into the PhD programmes. Professor Cardwell



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reported that at a recent meeting of the Board of Graduate Studies, it was recommended that the cap should be lifted on one-year research MPhils. However, Professor Young advised that as the total numbers available from the Colleges would be absolute, this would effectively reduce the numbers allowed for the remaining one-year MPhils and as a result, would not change the total number allowed for postgraduate students.

Against this framework of capped student numbers, the Council of the School agreed that departments should be invited to reconsider the planned numbers (in Appendix B-1 of Paper T/11/60) so as to ensure that the total planned postgraduate student numbers (for the capped one-year MPhils) included in the School's plan is in line with the total number allowed by the Colleges for the School of Technology under the cap.

Action: Heads of Department

It was also agreed that aspiration numbers for both undergraduate and postgraduate students were included as part of the School's plan.

Action: The Finance Manager

ITEM N1331 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2080 PLANNING: UNIVERSITY COMPOSITION FEES (N1331)

T/11/61	Email sent on behalf of the Pro-Vice Chancellor (Education) and the Pro-Vice
	Chancellor (Planning and Research) on 13 September 2011 on fees for home
	students taking MPhil courses.
T/11/62	Tables for home/EU students and overseas students for 2012-2013 to 2013-2014

At its meeting the Needs Committee noted that the School has been asked to consider whether any differential fee levels are to be proposed for the academic year 2013-14 (and in some cases such as MSt. and MBA, 2012-13).

The planning assumptions were that the home/EU fees would rise to £5k in 2013-14, with an expectation of further rises by £1k p.a. in the following two years. "There may be some courses where, for academic reasons, Schools wish to keep fees low (i.e. at the research council fee level). This amounts to a decision that these courses should be subsidized. There will be other courses for which, as now, a higher level of fee is appropriate and for which ongoing market comparisons with our peers are needed."

The Needs Committee expressed concerns about the funding of bursaries as a result of this 'across- the-board' increase, particularly if Schools/departments were not to be provided with additional funding to support this requirement. Similar concerns were expressed if differential fees were proposed and bursaries expected but no sufficient new allocations were provided to Schools/departments to fund bursaries. This was in relation to the proposed new model of allocating supplementary allocations as detailed in Paper NC/11/55.



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The Needs Committee noted that planning assumptions for fee increases in 2013-14 for overseas students have not been decided. In the absence of this University guidance, the Needs Committee recommended that the School's working assumption for planning purposes to be a 10% increase to overseas fee levels in 2013-14, in line with prior year increases.

It was noted that for any premium fees over and above the University guidelines the School might propose for postgraduate courses, Departments were expected to obtain the approval of the Board of Graduate Studies, or should initiate the process in time for the PRC to approve fees early in the Lent Term 2012.

The Needs Committee considered the recommended fees for various courses highlighted in Paper NC/11/58 and agreed that default increases are assumed (i.e. £5k for Home/EU postgraduate programmes in 2013-14 and 10% increase to overseas fees in 2013-14), unless requested otherwise by the departments. It was agreed that a revised paper, with fee amounts in the boxes marked 'x' would be submitted to the Council of the School for consideration.

The Council of the School supported the recommendations made by the Needs Committee and noted that further updates will be received from the departments prior to the next meeting of the Council of the School.

Action: The Finance Manager

ITEM N1332 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2081 PLANNING: RESEARCH FORECAST (N1332)

T/11/63 Office Note: Research forecast 2012-13 to 2015-16

At its meeting the Needs Committee noted that the School is required to submit a research forecast for 2012-13 to 2015-16. Paper NC/11/59 includes the forecast for research activity based on last year's planning round.

The Needs Committee confirmed that the forecast for research activity in the planning period should be based on three key drivers: sponsor profile, volume growth and overhead/indirect recovery rates.

The Needs Committee confirmed that the lines of growth forecasted in the 2010 Planning Enquiry were still largely valid as bases for the 2011 Planning Enquiry with a slight adjustment to the annual growth assumption for the EU from 10% p.a. to 5% p.a. from 2012-13 onwards.

The Council of the School confirmed the annual growth assumptions proposed by the Needs Committee and did not wish to raise any issues of constraints in maintaining/increasing research volume in the planning period.



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Action: The Finance Manag	er
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ITEM N1333 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2082 PLANNING: CAPITAL PLANNING (N1333)

T/11/64	Office Note: List of capital projects in the green zone and in the amber zone, as
	identified by the EMBS and Finance Division
T/11/65	Registration of Opportunity of CPSL project at New Museum Site: approved by the
	Head of School under delegated power
T/11/66	Capital Planning project priority list from Engineering, with the CPP registration

At its meeting the Needs Committee reported that there was a new request for Schools to identify and prioritise the capital building projects in the Amber zone. A list of the projects in the Green and Amber zones is included in Paper NC/11/60. The CPSL project (already approved by the Head of School under delegated power) was not listed because it missed the last meeting of the Planning and Resources Committee.

Professor Dowling spoke to the two revised capital projects in Engineering and asked that the Royal Cambridge Hotel car park development take priority over the courtyard building and that the extension to the CAPE building be removed. Therefore, the capital projects in the Amber Zone for the School were agreed to be:

Royal Cambridge Hotel car park development Engineering Courtyard building CPSL: New Museum Site JBS Old Addenbrookes Site redevelopment.

The Council of the School agreed to prioritise the projects as follows:

- 1. Engineering Phase 1: A new building on/over the car park of the Royal Cambridge Hotel
- 2. Judge Business School: Keynes House redevelopment
- 3. CPSL: New Museums Site
- 4. Engineering Phase 2: Courtyard Building

on the understanding that, should full funding be available for any project, the priority may be reviewed.

Action:	The Secretary
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ITEM N1334 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2083 ANNUAL EQUIPMENT BUDGET 2011-2012 (N1334)

T/11/67	Office Note: Annual Equipment Budget 2011-2012
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At its meeting the Needs Committee noted that the School of Technology has been allocated £331k for the annual equipment budget for 2011-12. It was proposed that the amount be allocated to the Departments on the basis of student FTE (50%) and non-research staff FTE (50%).

The Needs Committee agreed to recommend to the Council of the School the distribution as proposed in Paper NC/11/63 for 2011-12 and noted that this distribution would now be rolled into the departments' annual UEF baseline from 2012-13 onwards, once approved.

The Council of the School approved the distribution as proposed in Paper T/11/67 for 2011-12 and noted the treatment of the annual equipment budget from 2012-13 onward.

Action: The Finance Manager

ITEM N1335 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2084 EQUIPMENT FUNDING FOR RESEARCH COUNCIL GRANTS 2011-2012 (N1335)

T/11/68	RMC Paper E.249 Annex 2: RCUK Efficiency 2011-15 Ensuring Excellence with
	Impact
T/11/69	Office Note: A proposal on how to deal with the 50% contribution to RCUK equipment
	requirements, dated September 2011

At its meeting the Needs Committee noted that the RMC has agreed to set aside £8m for equipment funding - £3m of this fund would be to cover the 50% contribution now expected by the Research Councils for equipment. The School's share of this was expected to be in the region of £300–500k. The Needs Committee noted that the RMC was due to consider this allocation further at a future meeting and as a result, the final amount may differ from the expected £3m.

The Needs Committee considered the proposed process in Appendix A to administer the School's share of the capital fund (which has been set aside to assist with contribution towards equipment funding on Research Council grants) and requested that the process be amended to exclude the requirement for departments to consider whether departmental funding was available prior to seeking funding from the School.

The Needs Committee also noted that a separate capital fund of £5m has been set aside by the University for the purchase of major equipment and that further guidance is expected to be made available in Michaelmas Term 2011.

The Pro-Vice-Chancellor for Planning and Resources informed the Council of the School that at a recent meeting of the Resource Management Committee, it was agreed that, based on updated information on prior year expenditure on equipment, £1.9m would be set aside to cover the 50% contribution now expected by the Research Councils for the equipment. The balance of £6.1m would be set aside for the purchase of major equipment.



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Professor Young also informed the Council of the School that the £1.9m capital fund included a 20% margin on top of average prior year spend and it was expected that Schools would be allowed to use any unspent funds for other purposes (such as addressing VAT on equipment shortfall on EC grants). The Council of the School agreed that the first call on the School's share of this £1.9m fund should be on covering the 50% contribution now expected by the Research Councils for equipment.

Action: The Finance Manager

ITEM N1336 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2085 TRANSFERABLE SKILLS BUDGET 2010-11, 2011-12 (N1336)

T/11/70 Transferable Skills Financial Summary 2010–2012		

At its meeting the Needs Committee mentioned that Paper NC/11/66 outlines transferable skills expenditure for 2010–11 and proposed 11–12 allocations.

The Interim Assistant Secretary outlined the year-end 2010–11 financial position and referred to proposed allocations for 2011–12. She also reported on the encouraging efforts being made in Departments to spend in 2011–12 (and the gratifying overspends for most Departments in 2010–11) and the intention to have very little surplus in July 2012.

The Needs Committee approved the proposed spends for 2011–12.

The Council of the School noted that the Needs Committee approved Paper T/11/70 which outlines transferable skills expenditure for 2010–11 and proposed 2011–12 allocations.

Action:	The Interim Assistant
	Secretary

ITEM N1337 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2086 END OF YEAR ACCOUNTS 2010-2011 (N1337)

T/11/71	Office Note: End of year account 2010-2011, dated September 2011
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At its meeting the Needs Committee noted that the balance of the end of year account (2010-11) for pay stood at £338.7k for the School.

The Needs Committee agreed the distribution of the 2010-11 year end pay balances as proposed in Paper NC/11/67.

The Council of the School noted that the Needs Committee approved the proposed distribution of the 2010-11 year end pay balances as detailed in Paper T/11/71.

ITEM N1338 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011



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2087 FINANCIAL REPORT 2010-2011 (N1338)

T/11/72 Financial report 2010-11, dated October 2011

At its meeting the Needs Committee considered paper NC/11/68 and noted the following key points:

- The School generated a surplus of £5.4m for the 2010–11 financial year (which includes £4.2m of new donations received in the year);
- The total resources for the School increased by £16.2m from the previous year;
- All the departments operated within their chest allocations in 2010-11;
- A total research income of £40.8m was generated, representing a 4% increase (including inflation) from prior year; However, actual applications and activations during the year were lower than prior year which could represent a slowing down of activities which might only be visible in future years;
- The trading activities for the Judge Business School (including executive education activities) generated a surplus of £0.8m in 2010-11.

The Council of the School noted the year end financial report for the financial year 2010-11. Thanks were recorded to the Finance Manager and her team for producing this helpful report.

B. EDUCATION

ITEM N1339 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2088 GRADUATE SCHOOL COMMITTEE (N1339)

T/11/73	Minutes of the Graduate School Committee meeting held on 9 June 2011
T/11/74	Minutes of the Graduate School Committee meeting held on 6 October 2011

At its meeting, the Needs Committee received the minutes of the Graduate School Committee meeting held on 06 October 2011, as in Paper NC/11/69.

The Interim Assistant Secretary referred to the following matters:

- Variable College provision for graduate students and the Committee's 'concerns' paper which will go to the Senior Tutors' Committee;
- The fee charges discussion Group, which felt that courses were not capturing the benefit of premium fees.

The minutes of the Graduate School Committee meetings held on 9 June 2011 and 6 October 2011 were received.

Professor Cardwell raised the following points which arose in the 9 June 2011 meeting:

• GS14(i) Capping of graduate numbers: The Committee acknowledged that a College-driven admissions process generates problems with planning;



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- GS14(iv) Postgraduate Research Experience Survey: The response rate increased from 32% in 2009 to 56% in 2011;
- GS20 Consultation regarding selection of recipients of CCT graduate Scholarships in 2012: The proposal that Schools would be assigned quotas was welcomed as it would give the School well-defined targets for selecting students.

Professor Cardwell raised the following points which arose in the 6 October 2011 meeting:

- GS24(ii) College membership for graduate students: The Secretary of the Graduate School
 Committee wrote to the Board of Graduate Studies, outlining the Committee's concerns about
 the variability of College provision for graduate students. The Senior Tutors' Committee will be
 considering her communication on 28 October 2011. The Secretary of the Graduate School
 Committee will also be circulating a paper on a College selection system, akin to the Oxford
 model, at the next Graduate School Committee meeting on 24 November 2011;
- GS25 Electronic document management for graduate admissions: The Department of Engineering has experienced problems and the Board of Graduate Studies is assisting the Department with issues which have arisen.

C. RESEARCH

2089 RESEARCH EXCELLENCE FRAMEWORK 2014

T/11/75	The membership of the UoA Committees within the School	
T/11/76	A revised timetable for REF	

The Council of the School noted that Professor Gladden and Mrs Stevens have been invited to the November meeting of the Council of the School. At the same meeting, the Council of the School will be discussing and prioritising the requests for additional central allocations of funding to enhance the 2014 REF submissions.

The Chairman remarked that guidance on Equality and Diversity would be forthcoming. Members of the Council voiced concern at the deadlines featured in the timetable. It was suggested that identification of four trial outputs and draft environment statements be put back to submission in late March.

D. HR

ITEM N1340 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2090 INFORMAL CONSULTATION ON JUSTIFIED RETIREMENT AGE (N1340)

2000 IN ORMAE CONCOLIATION ON COOTH LED RETIREMENT AGE (1170-10)		
T/11/77	Informal Consultation on an Employer Justified Retirement Age	

At its meeting the Needs Committee noted Paper NC/11/70 is a consultation paper on an Employer Justified Retirement Age (EJRA), which outlines options currently being



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discussed by the Default Retirement Age Working Group and discusses the arrangements which might apply for extending employment beyond the retirement age if an EJRA were to be adopted.

The Needs Committee considered the paper and agreed that an EJRA should apply to academic and academic-related officers, and it should be set at the age of 67 years, rising in line with the UK state pension age eventually

The Council of the School endorse the decision of the Needs Committee.

2091 HR BRIEFING

T/11/78	HR Briefing to the Council of the School
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The Council of the School noted Paper T/11/78, a briefing from the HR Business Manager.

E. MISCELLANEOUS

ITEM N1341 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2092 IT ADVISORY GROUP (N1341)

T/11/79	Office Note: Terms of Reference of IT Advisory Group	
T/11/80	IT Advisory Group Minutes	

At its meeting the Needs Committee was informed of the setting up of the IT Advisory Group to advise the School on IT-related issues. The Terms of Reference for the Group, as in Paper NC/11/71, were noted with approval.

The minutes of the IT Advisory Group meeting, held on 12 July 2011, as in Paper NC/11/72, were noted.

The Terms of Reference for the IT Advisory Group and the minutes of the IT Advisory Group meeting, held on 12 July 2011, were received.

The Council of the School approved the terms of reference of the IT Advisory Group, and suggested that at a later stage, inclusion of representatives from the academic user community might be a good idea.

ITEM N1342 TAKEN FROM THE NEEDS COMMITTEE OF 11 OCTOBER 2011

2093 CPSL EXPANSION: 2 TRUMPINGTON STREET (N1342)

T/11/81	Application for Building Works on a University Building: CPSL
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At its meeting the Needs Committee considered, Under Any Other Business, an application from the CPSL for building works at 2 Trumpington Street. The Needs Committee approved the application to be forwarded for consideration by the Resource Management Committee.

The Council of the School noted that a request from the CPSL for building works on 2 Trumpington Street was approved by the Needs Committee.

2094 SCHOOL RISK REGISTER

T/11/82	Risk register for the School of Technology

The risk register for the School of Technology was received. The Council of the School noted the content and approved the register.

2095 HEIF 5

Under Any Other Business, the Chairman reported that a request has been received from the Academic Division asking the Schools to prioritise applications for new HEIF 5 activities and continuation of HEIF4-funded activities using a common template, with a rather tight deadline of 21 November 2011. It was agreed that a small group consisting of the Head of School, the Chair of the Research Committee and Professor Dowling, should prioritise the bids (rather than the Needs Committee) so to allow more time for the Departments to prepare their applications.

2096 DATES OF MEETINGS OF THE COUNCIL OF THE SCHOOL OF TECHNOLOGY

The meetings of the Council of the School of Technology will be:

Council of the School of Technology Dates for 2011-12				
Fridays at 2:00 pm	Venue	Room booked		
25 November 2011	Chemical Engineering and Biotechnology	Boardroom		
27 January 2012	Engineering	Boardroom		
02 March 2012	Chemical Engineering and Biotechnology	Boardroom		
04 May 2012	Engineering	Boardroom		
08 June 2012	Computer Laboratory	FW11		

School of Technology 17 November 2011 This page has been left blank intentionally.