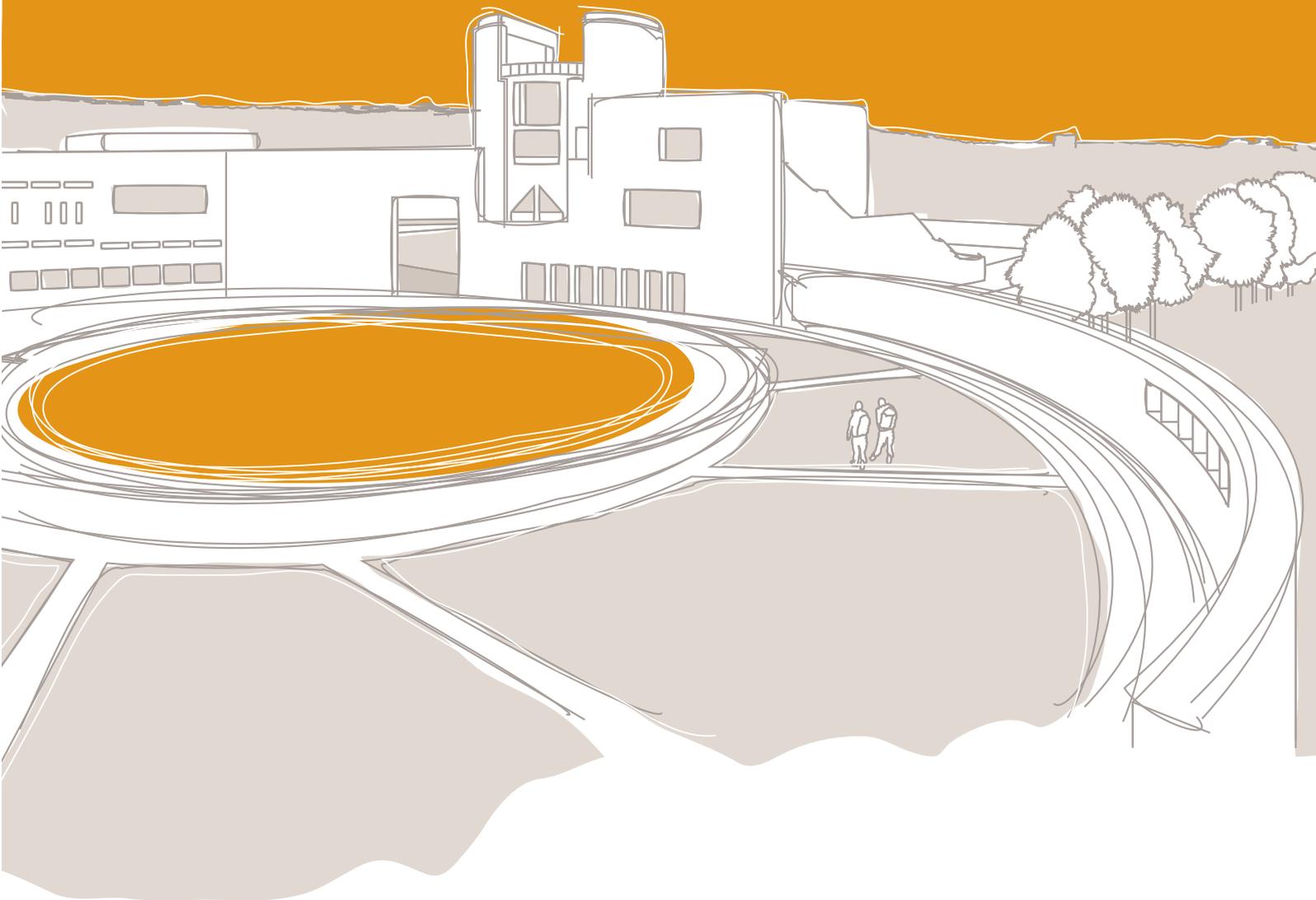


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cork institute of technology

www.cit.ie

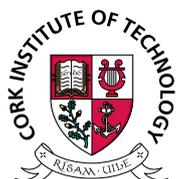


Ireland's EU Structural Funds
Programmes 2007 - 2013

Co-funded by the Irish Government
and the European Union



EUROPEAN UNION
STRUCTURAL FUNDS





CIT Bishopstown Campus



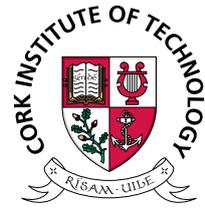
CIT Cork School of Music



CIT Crawford College of Art & Design



National Maritime College of Ireland



Cork Institute of Technology

annual report 11/12

www.cit.ie

history

4

The history of Cork Institute of Technology (CIT) is a long and honourable one. The Royal Cork Institution, which may be regarded as the precursor of both University College Cork and Cork Regional Technical College, was in existence as early as 1802 and received its Royal Charter in 1807. It was especially famous for its chemistry education. It amalgamated with the Royal Society for the Promotion of Fine Art in 1825 and the expanded new Royal Cork Institution acquired the Custom House in 1832.

The School of Design was established in Cork in 1850 and evolved into the Crawford Municipal School of Art, which formally came into existence at Emmet Place in 1885. The School moved to the former Crawford Municipal Technical Institute in Sharman Crawford Street in 1980 and was renamed the Crawford College of Art and Design in 1986.

The Technical Instruction Committee of Cork Corporation was established in 1901 and it proceeded to further develop technical education in Cork. In 1909 it decided to establish a Technical College which was opened in 1912 and named The Crawford Municipal Technical Institute. The institution was named after Mr A F Sharman Crawford who donated the site on the then named Fitton Street. While tracing its origins to the Royal Cork Institution, its immediate precursor was the School of Science, established in 1854, that came under the jurisdiction of the Corporation's Technical Instruction Committee in 1901.

The new Crawford Municipal Technical Institute offered tuition in a wide variety of technical subjects. For a period in the 1920s, it participated in a degree in engineering in University College, Cork. The range of its courses grew over the years. A National University of Ireland Diploma in Chemical Technology was, with the cooperation and involvement of University College Cork, established in 1941. A course in Marine Engineering was established in 1944. In 1955 the first two-year Certificate in Industrial Science was introduced. In the 1960s various courses in Civil Engineering, Electronics and Mechanical Engineering came into being.

In 1963 the building courses were transferred to the new School of Building at Sawmill Street from the overcrowded Institute. The Institute's Electrical Trades Section was later located at Paul Street, Cork. Other engineering classes were conducted in the Deanery, Dean Street.

The new Regional Technical College was established in October 1974. It incorporated the Crawford Municipal Technical Institute, the School of Building and the Electrical Engineering extension previously housed in Paul Street. Certain business courses and staff were transferred to the new College from the City of Cork VEC's School of Commerce at Morrison's Island. The building was officially opened in January, 1977, by the then Taoiseach, Mr Jack Lynch, T.D.

As a result of a national manpower review, Higher Education Institutions were asked to submit proposals to the Department of Education in 1978 for new degree courses which would enhance the graduate manpower skills of the Irish workforce. Cork Regional Technical College under the direction of its Principal James P Roche proposed four degree courses, Chemical Engineering (Technology), Electrical and Electronic Engineering, Mechanical Engineering, and Computing. There was intense activity in the College to prepare course material for the courses and to seek accreditation from the National Council for Educational Awards. The initiative was successful and the first graduates of these courses were awarded their parchments in 1983. The courses developed much respect from stakeholders in society and industry. Subsequently, the Institution of Engineers of Ireland accredited the courses for professional membership of the Institution and admitted the graduates of these courses in Chemical Engineering (Technology), Electrical and Electronic Engineering, and in Mechanical Engineering to membership of the Institution. Separately the Institution of Chemical Engineers accredited the degree in Chemical Engineering (Technology) for corporate membership of the Institution.

The 25th International Apprentice Competitions were held in Cork Regional Technical College from 2nd -17th September 1979. The actual Competitions in thirty four craft skills were held mainly in the Bishopstown campus and fifteen countries competed from Europe, Asia, and America. The intense preparation for the competitions took more than a year and required the preparation of technical sites to a very high specification. There were over six hundred competitors and officials on site and the quest for accommodation for these visitors in city and county hotels was a major task. Social functions were well prepared for the guests and involved many cultural activities and visits to beauty spots in the region. There was a high level of satisfaction with the presentation of Irish cultural activities. The competitions were opened by the Minister for Education Mr John Wilson T.D. and awards at the closing ceremony were presented by the Minister for Labour Mr Gene Fitzgerald. The Competitions were visited by the President of Ireland Dr Patrick Hillary. The events were deemed a major international success by visitors and the Department of Education, and Ireland was third in the medal's table. The event enhanced the international reputation of Ireland as a centre for the highest level of technical preparation and achievement.

The College became a self governing entity on 1 January 1993, having previously been an educational institution under the control of the City of Cork Vocational Education Committee. The Regional Technical Colleges Act, 1992 also provided for two other educational establishments under the control of the VEC to be established as schools of the Regional Technical College, namely the Cork School of Music and Crawford College of Art and Design.

In the period 1993 to 2003 there was a large increase in courses and student numbers at all levels in the Institute. This was due to an increase in demand for skilled graduates to take up employment in a rapidly expanding high technology economy. There was a major refurbishment of workshops and laboratories during this period, which resulted in a much improved quality of provision to students of the Institute.

On 18 December 1997 the College was redesignated “Cork Institute of Technology” by Mr Micheál Martin, T.D., Minister for Education and Science.

In 1998 CIT was reviewed by an international review group and as a result of their recommendations the Government decided in 1999 that the Institute would be empowered to award its own Diplomas and Certificates consequent on a procedure agreed with the National Council for Educational Awards. This was the first step in the delegation of authority to make its own educational awards to Cork Institute of Technology.

In October 2004, the National Maritime College of Ireland (NMCI) in Ringaskiddy, Co Cork accepted its first cohort of students. The Department of Nautical Studies situated in the Bishopstown Campus of CIT transferred to the Ringaskiddy facility. The NMCI is a constituent college of CIT in a partnership with the Irish Naval Service and Focus Education Ltd. The College caters for the education and training needs of the merchant navy and the non-military training requirements of the Naval Service and provides a broad range of training services for the maritime industry. Focus Education Ltd. is the private partner with responsibility for facilities management at the College.

The Higher Education and Training Awards Council (HETAC) delegated full award authority to the Institute for all its Taught Programmes up to and including Level 9 (Taught Masters) of the National Qualifications Authority in June 2005.

HETAC delegated full award authority to make awards at Level 9 (Research Masters) in various Engineering and Science disciplines in June 2005.

On 19 September 2005, HETAC delegated awarding authority to CIT to award its own PhD degrees thus completing the Levels 8, 9 and 10 awarding authority. The delegation was done with the agreement of the National Qualifications Authority of Ireland (NQAI) and applied to fields of learning where the Institute has been accredited to maintain a research register. CIT now has degree awarding powers that are comparable to Universities in Ireland. Having awarding authority up to PhD level will contribute to the on-going development of leading-edge research in Science and Engineering in CIT.

A high quality and award winning set of buildings, the Student Centre, the Administration Building and the Tourism and Hospitality Building surrounding a courtyard was completed and occupied in the period 2005-2007. They added much to the image and facilities of CIT.

The Rubicon Centre was built on a 2 hectare site which was purchased in 2002. Since opening its doors in January 2006, the Rubicon Centre has quickly positioned itself as a catalyst, assisting entrepreneurs to take their projects to the next stage. The Rubicon Centre’s role as an incubator is to assist the formation and growth of early stage, knowledge intensive businesses, by providing physical space, in-house management support, access to advice, and support from Institute resources. The Centre aims to stimulate an environment of creativity and innovation with a continual focus of nurturing the growth of knowledge based business and commercial research in the South West Region.

The Minister for Education and Science signed an Order to commence the Institutes of Technology Act 2006 with effect from 1 February 2007. The new legislation brings the country’s fourteen Institutes of Technology, including the State’s largest third level institute, the Dublin Institute of Technology, under the remit of the Higher Education Authority (HEA) for the first time. Until then, the HEA had only funding responsibility for the seven universities and certain smaller designated institutions.

The commencement of this legislation marked a historic milestone for the higher education system in Ireland. It was another major step in the development of the Institutes of Technology as hugely significant providers of higher learning opportunities from sub-degree right through to doctoral level.

The Cork School of Music was first established in 1878 in the Grand Parade, Cork and is the oldest School of Music in these islands. It had a temporary home in George’s Quay after the second World War and then moved to a new home in Union Quay in 1956. The Hardiman Report gave scope for a review of music education in CIT. After much support from the institutions and citizens of Cork and the Department of Education and Science, a beautiful new building with high quality facilities was constructed under a Public Private Partnership. The Official hand over to CIT of the new Cork School of Music facility by the Public Private Partner, Hochtief took place in July 2007.

Since 2007, CIT has pursued a broad strategic project aimed at improving the Institute’s online services and presence. The initial part of this project was a redesign of the Institute’s public facing website www.cit.ie which has been completed in phases. The policy in relation to the main website is that it is primarily for individuals external to CIT. Therefore, for the most part, information which is relevant only to an internal audience does not appear on the main website.

To provide online services for those inside CIT two further projects were developed and were aimed at providing dedicated online service and communication portals for the Institute's staff and students. Phase 1 of the staff portal project (gateway.cit.ie) was completed in September 2010 and the student portal (www.mycit.com) was put in place in September 2009 which was deployed in conjunction with the student email system.

A substantial area of land (14.175 hectares) was purchased by the Institute in the 1990s. This facilitated the development of sports facilities which included eight playing pitches, a refurbished running track and gymnasium. A new Sports Stadium was opened by the Minister for Education and Science, Mr Batt O'Keeffe, T.D. on 26 May 2008.

The Blackrock Castle Observatory is a collaboration between Cork City Council, Cork Institute of Technology and a private benefactor. It was opened to the public in November 2007 as an international award winning Science Centre, Observatory and riverside restaurant.

The original tower was built in 1582, rebuilt in 1733 and built in its present form in 1829. It was renovated in the 1960s and again acquired by Cork Corporation in 2001. The Castle is important in promoting Science and the significance of CIT in the educational community and society.

On 16 October 2009, the Minister for Education and Skills, Mr Batt O'Keeffe, T.D., gave approval to CIT to purchase a site and building adjacent to the Bishopstown Campus from US Electronics firm Tyco-Sensormatic to expand its campus. The acquisition of the 7.4 acre site and building allowed CIT to accommodate all apprentice activity on its Bishopstown campus. CIT contributed some funding from its own resources with the majority of the acquisition funded from the Capital Budget for third-level institutions. The Minister was present in the Institute to sign the Tyco Contract on 16 October 2009 with Dr Brendan J. Murphy, President, CIT and Mr Donal Sullivan, Managing Director, Tyco-Sensormatic Electronics also in attendance.

On 17 January 2010, CIT formally took possession of the new NIMBUS Centre for Embedded Systems Research. Funded through the HEA Programme for Research in Third Level Institutions (PRTL) in 2007, NIMBUS is the first building nationally to be completed in the 4th cycle of PRTL funding and reflected very successful collaboration and project management by the CIT Development Office, the architects, building contractors, and the team of researchers for whom the building was designed. In a time of financial constraint, it also reflected well on the team that the project was completed on time and within budget.

Beginning in 2005 CIT completed the transition to a module-based system of curriculum delivery by 2009. It is common that modularisation is implemented as part of wider reforms and often associated with training to specified learning objectives (frequently competence-based); participative learning; individualised training routes; and credit accumulation and transfer. This has been the case with the Modularisation project at CIT. As well as introducing a module-based system, CIT also introduced an academic year consisting of two semesters. The new system was implemented for incoming first year students in September 2007 and was extended to all years of all taught undergraduate and postgraduate programmes in September 2008. The first cohort of graduates who completed their entire honours degree programme under the new system were conferred in October 2011.

The CIT Wandersford Quay Art Gallery situated near the CIT Crawford College of Art & Design was opened on 18 June 2010.

In recent years, CIT has signed Agreements with Universities and Institutions both nationally and world-wide to collaborate on academic programmes and research. The Institute has developed especially strong links with University College, Cork, University of Applied Sciences, Darmstadt, Germany, and the University of Pune, India.

Mission and Values of Cork Institute of Technology

All the activities of CIT are governed by its mission statement. The mission statement encapsulates and reflects the Institute's core values.

Our Mission

We are proud of our distinct mission and role in the provision of higher education for the region and beyond. Our mission is:

To provide student-centred career focussed education and research for the personal, professional and intellectual development of the student and for the benefit of the broader society in the region and beyond.

Our Commitments

The Institute is committed to its role within the region and nationally. As we pursue our mission across our full range of activities, we are focused on fulfilling the following commitments which encapsulate the Institute's priorities, ethos and values ...

- **CIT is a student-centred institution**
- **CIT delivers career-focussed education and research**
- **CIT provides inclusive access to higher education**
- **CIT plays a regional, national and international role**

Our Vision

As we look towards the future, we have an ambitious and challenging vision for the strategic development of CIT which is that:

CIT will be an internationally recognised centre of excellence in the provision of career-focussed education which produces effective, ethical professionals capable of entrepreneurship, innovation and creativity.

Achieving our Goals

Our strategic goals are aligned with broader national goals including those outlined in the National Strategy for Higher Education to 2030.

The Strategic Management Framework

The Institute has adopted an agile and adaptive approach to strategic management and strategic planning.

Extract taken from the Institute's Strategic Plan 2012 – 2016.



Institiúid Teicneolaíochta Chorcaí
Cork Institute of Technology

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Cork Institute of Technology

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Zero2020 test-bed

1. Introduction

Cork Institute of Technology

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1.1 Chairman's Statement



I am delighted to present this Annual Report of the Cork Institute of Technology for 2011/2012. CIT continues toward its mission of providing the best student centred education in the country for the benefit of the student and for the benefit of society as a whole. I have just completed my first full year as Chair of the Governing Body and it has been a huge privilege to serve this great Institution and work closely with my fellow governors. They have been such a tremendous help to me in my first year.

It was a great honour to tour the Institute and meet many of the staff during the year. From the Bishopstown Campus to the National Maritime College to Blackrock Observatory, my visits were very insightful. It was an honour to attend ceremonies at the Crawford during the year and relive such great history and tradition. Rubicon and Nimbus have been familiar to me for many years and continue to truly excel in everything they do.

The launch of the Extended Campus was one of the highlights of the year providing an innovative and valuable link to Enterprise. This link is such an important part of CIT's overall mission. This year also saw the launch of BSc and MSc in Cloud Computing. The MSc in particular is both truly collaborative and innovative in its remote learning approach.

It was a great year for sport on all fronts and especially in Senior Hurling on reaching the County Final. I congratulate all and wish them the very best for the year ahead. Sport is and always has been such an important ingredient in the success of CIT.

The continued success of students in external competition both nationally and internationally is truly reflective of the quality of the Institute and the dedication and passion of the students.

Work continues on the Technological University front as CIT continues to strive for University status. This is a key strategic theme and has the full attention and support of the Governing Body.

In conclusion, I would like to sincerely thank the members of the Governing Body, the President, Dr Brendan Murphy, the Management and Staff at CIT for their dedication and hard work during the year.

Bob Savage
Chairman

1.2 President's Statement



This is my eighth year in office and the following is my President's Statement:

A. Building and Estates

Planning permission was issued by Cork City Council for the Learning Resource Centre (LRC) on 12 September, however due to the prevailing difficult economic climate, the project was cancelled by the Department of Education in November. The design process for the PRTL-5 funded Centre for Research in Advanced Therapeutic Engineering (CREATE) was finalised in June with the tendering process commencing in July. Phase 2 of the refurbishment of the 4,000m² Melbourn Building is underway. This will accommodate the Department of Architecture, the Examinations Office and Examination Hall.

B. Academic Matters

The Institute's first structured PhD Programme, "Ed4Life" funded under the HEA- PRTL-5 Programme commenced at the Institute in September. The CIT Cork School of Music Annual Awards Ceremony took place in September. The 41st World Skills 2011 competition took place in London from 5 to 8 October, the Irish team consisting of eleven craft persons finished a commendable 6th overall in the world, winning 3 Gold Medals and 5 Medallions of Excellence. Gerard Murphy, graduate in BEng (Honours) in Structural Engineering won the Institution of Structural Engineers 2011 Student Project Award in October. The Faculty of Business & Humanities Annual Awards Ceremony took place on 30 October, thirty-one awards were presented to students on the night. The Faculty of Business & Humanities Conferring of Degrees and Other Awards took place on 21 October with 1,160 graduands obtaining their parchments. The Faculty of Engineering & Science and the CIT Crawford College of Art & Design Conferring of Degrees and Other Awards took place on 24 October, 1,314 graduands obtained their parchments. The Conferring of Degrees and Other Awards Ceremony for the CIT Cork School of Music and the Cork Centre for Architectural Education took place on 27 October with 78 graduands receiving their parchments. Through the Extended Campus, the Institute launched two new graduate conversion programmes enabling unemployed graduates from non-computing disciplines to gain an academic qualification in cloud computing. Mechanical Engineering Student, Rian Edman was presented with the William Butler Award at the Undergraduate Awards on 28 October. Mechanical Engineering students, Daniel Allen, Patrick Byrnes and Richard Childs received the MEETA Student National Awards 2011 on 18 November. The Faculty of Engineering & Science Annual Awards Ceremony took place on 24 November, thirty-eight awards were presented to students on the night. The Institute signed an agreement with Plymouth University, Gjøvik University College, Hochschule Darmstadt – University of Applied Sciences as founding members of the European Graduate School of Technology on 16 January. The University of Chicago signed a software licence agreement with CIT Bioinformatics Researchers Dr Roy Sleator and Dr Paul Walsh on 26 January 2012. The Institute was successful in its tender to launch two new graduate conversion programmes, Higher Diploma in Science in Cloud Computing and Higher Diploma in Science in Cloud and Mobile Software Development. A total of 29 students were conferred at the National Maritime College of Ireland Conferring of Degrees and Higher Certificate on 16 February. Mechanical Engineering students, Daniel Allen, Patrick Byrnes, and Richard Childs received the Finalist Award in the Vicon Prize for Best Medical Engineering at the 24th Annual International Medical Engineering Project Competitions in Westminster, London on 29 February. PhD Student, Kieran O'Callaghan received the European Student Innovation Final – Innovact 2012 on 28 March in Reims, France. An MOU agreement between CIT CCAD and Tsinghua University was signed in Beijing on 15 March in the presence of the Minister for State, Mr Ciaran Cannon T.D. and the Irish Ambassador to China, His Excellency Declan Kelleher. Minister of State, Ms Kathleen Lynch T.D., Minister of State, Department of Health and Department of Justice, Equality & Defence, launched CIT Access Service's new publication "Access the Beginning of your Future" on 16 March. The Institute signed an MoU agreement with Shanghai University at the China International Education Exhibition Tour on 17 March 2012. The Institute hosted a visit from the Pittsburg Council on Higher Education (PCHE), a voluntary multi-purpose consortium of the ten accredited college and universities in Pennsylvania on 26 April. The Institute welcomed a visiting panel from Engineers Ireland who participated in an accreditation of Engineering Education Programmes at the Institute from 23 to 24 May, six programmes were recommended for accreditation. The Cork Centre for Architectural Education (CCAEE) end of year exhibition took place on 1 June. The opening of Interior Architecture and Architectural Technology Exhibition took place on 7 June, the guest speaker was Mr Simon Coveney T.D., Minister for Agriculture,

Marine and Food. The Institute launched its 2012 Springboard Programme at the Institute on 13 June, offering two hundred and sixty two places on sixteen courses. Forty-six graduates received their parchments at the annual Summer Conferring of Degrees and Higher Certificates which took place at the National Maritime College of Ireland on 19 June. The Institute hosted a visit from our German partners, Hochschule Darmstadt - University of Applied Sciences on 5 and 6 July. The Institute was awarded funding by the Erasmus National Agency for Ireland for two Erasmus Intensive Programmes worth €91,127.

C. Strategic Matters

An integrated strategic management framework is being developed. This framework will combine strategic actions, risk management and performance measurement in relation to the Institute's strategic goals and objectives. This framework will be utilised by the various units across the Institute as they create their own plans thus ensuring consistency of form and practice throughout the organisation.

D. Staff

Dr Helen O'Shea, Lecturer, Department of Biological Sciences was appointed as a member of the Food Safety Authority of Ireland Biological Safety Sub-Committee on 8 September. IT Services was awarded the "Best IT Department" award at the IT @ Cork Leaders Awards on 24 November. Dr Stephen Cassidy took up duty as Dean of Academic Quality Enhancement on 3 February. Mr Tadhg Leane was appointed to the post of Head of Strategic Development on 2 March. Dr Áine Ní Shé took up duty as Head of Department of Mathematics and Dr Michael J. O'Mahony took up duty as Head of Department of Process, Energy & Transport Engineering on 4 May. Dr Helen O'Shea, Lecturer, Department of Biological Sciences was appointed External Examiner at the University of Cambridge in June. Mr John Twohig was appointed to the post of Head of Centre of Craft Studies on 8 June. Mr Seán F O'Leary, Senior Lecturer, Department of Mechanical, Biomedical and Manufacturing Engineering received the following awards during the year:

- (i) The ESB Outstanding Contribution to Engineering Award 2011 at the Engineers Ireland Excellence Awards on 4 November
- (ii) The CIT Innovative Product Development Laboratories major submission "Engineering an Innovation Eco-System", authored by Seán was declared the winner of the "Best in Class" Engineering Education Inaugural National Award 2011 at the Engineers Ireland Excellence Awards on 4 November
- (iii) Enterprise Ireland/Invest Northern Ireland Academic Innovation Award Winner 2012 on 7 June.

E. Arts, Culture and Sport

The Institute's Sailing Team claimed the Bronze Medal at the World Student Yachting Championships in La Trinité-sur-Mer on 28 October. The Institute's Mens Hockey Team won the Irish Universities Hockey Association "Mauritius Plate" on 1 November. The Institute's Ladies Volleyball Team won the "Intervarasities Plate" hosted by NUIG from 16 - 19 November 2011. The Institute's annual Sport Bursaries took place on 30 November with a total of 105 bursaries being presented to the Institute's top athletes from a broad spectrum of sports. The Institute signed an agreement with Cork County Board to host the Cork Senior Hurling panel headquarters at Bishopstown Campus on 20 January. The Cork Municipal Technical Institute, the forerunner of what is today Cork Institute of Technology was established as a brand new building at Sharman Crawford Street 100 years ago, the opening ceremony took place on 16 January. This building currently houses the CIT Crawford College of Art & Design and a series of events to commemorate the 100 years of education at the Crawford took place during the year. International Students Day took place at the Institute on 21 February. The Eurostar Final 2012 took place on 28 February at the Institute. The winner of the cover section was Muriel Foley, Department of Media Communications and the winners of the original section were Cian Sweeney and Brinny O'Toole, CIT Cork School of Music. The Institute hosted a series of exhibitions, lectures, workshops and visual art/music collaborations at Bishopstown Campus, CIT Crawford College of Art & Design, CIT Wandersford Quay Gallery, CIT Cork School of Music, the Cork Centre for Architectural Education and CIT Blackrock Castle Observatory as part of the Life Long Learning Festival which took place from 26 to 31 March. Canon G A Salter, President of Cork Literary and Historical Society and member of the Institute's Governing Body, formally launched the book "Royal Cork Institution – Pioneer of Education" on 12 April. The Institute's Faculty of Science and constituent schools CIT Crawford College of Art & Design and CIT Cork school of Music can trace their origins back to the influences of the Royal Cork Institution. The Institute hosted the Irish Universities Track and Field Championships on 21 April. Congratulations to CIT graduates Ray Carey, James Fitzpatrick, Colm O'Neill, Daniel Goulding, Donncha O'Connor, Paul Kerrigan, Conor O'Driscoll and Graham Cauty, and current student Aidan Walsh who participated on the Cork Senior Football Team who secured the 2012 National Football League Division 1 title on 29 April. The Institute's 2012 Sports Awards were held at Bishopstown Campus on 2 May. Ten individual awards were presented on the evening and an International Achievement Award was presented to the CIT Sailing World Cup Team in honour of their remarkable third place achievement at the Student Yachting World Cup. "EXXIT" the 20th Anniversary of the CIT CCAD Degree Show opened on 15 June. The Institute hosted the FAI Summer Soccer Camp at Bishopstown Campus from 16 to 27 July. The Institute hosted the Cork City Sports 61st International Athletics Meeting at the Bishopstown Campus on 17 July. The President of Ireland, Mr Michael D. Higgins, visited the CIT Cork School of Music on 21 July. The Crawford Centenary Exhibition, featuring memorabilia and artefacts gathered over the last 100 years relating to the Crawford's history, opened to the public on 18 August.

F. Innovation and Research

Mechanical Engineering student, Rian Edman received "First Place Babcock Award and Best European Mechanical Engineering Student 2011" at an awards ceremony in London on 23 September. The Minister for Research & Innovation, Mr Seán Sherlock, T.D., visited the Rubicon Centre and the Nimbus Centre for Embedded Systems on 17 October. The President of Ireland, Ms Mary McAleese, presented the William Butler/Oscar Wilde Gold Medal Award to Mechanical Engineering student Rian Edman at the Undergraduate Awards presentation on 28 October. Two of the Institute's Research Clusters, Networked Embedded Systems and Photonics have been successful in a total of five prestigious SFI Funding Programmes, with awards totalling €1.04m. The Institute established the CIT Extended Campus in November, a unique facility designed to support two-way engagement of individuals and organisations with CIT for knowledge exchange, learning, research and development. The Taoiseach, Mr Enda Kenny T.D. launched the collaborative IMERC Research and Development initiative involving the Institute, UCC and the Irish Naval Service at the NMCI on 25 November. The Institute launched the first CIT iApp CIT Cosmos for the iPhone and iPad on 2 December. The Taoiseach, Mr Enda Kenny T.D., Mr Simon Coveney T.D., Minister for Agriculture, Marine and Food, Mr Seán Sherlock T.D., Minister for Research & Innovation visited the Rubicon Centre on 3 February. The Taoiseach announced the jobs expansion of Treemetrics Ltd, a Rubicon based company. The Genesis Enterprise Showcase and Awards 2012 took place on 5 March. Innovation Week took place at the Institute from 5 to 9 March, allowing the Institute the opportunity to celebrate and showcase CIT activities and successes in the areas of Entrepreneurship and Innovation. The week culminated with the CIT Prize for Innovation with Mr Bill Liao, co-founder of the CoderDojo movement, as the keynote speaker. SciFest 2012 took place at the Institute on 20 April, it was opened by Mr Seán Sherlock, T.D., Minister for Research & Innovation and attended by over 300 participants from 22 second-level schools in Cork City and County. On 20 April, Mr Seán Sherlock T.D., Minister for Research & Innovation announced Government funding of €12.3m provided through the Science Foundation Ireland (SFI) "Starting Investigator Research Grants". CIT was one of the nine Higher Educational Institutions award recipients. The Cork Mechanical, Manufacturing & Biomedical Engineering Exhibition took place at the Bishopstown Campus on 26 April. The theme of the 2012 exhibition was "Chemical Engineering – Universal Engineering", and featured over 190 stands. The Institute's application for funding support for the "Drop Reaction and Microfluidic Analysis Conference" under SFI Conference & Workshop programme received funding of €15,000. PhD Student, Kieran O'Callaghan, was presented with First Prize for his Enablement Products, AquaEye and VisionRE by Minister Pat Rabbitte, T.D., Minister for Communications, Energy and Natural Resources at a ceremony on 26 April. Department of Biological Sciences Students, Emma Gabriel and Shirley Ross received a prestigious Irish Research Council for Science, Engineering & Technology (IRCSET) Scholarships worth €72,000 to each student, thus enabling them to complete a PhD post-graduate programme. Mechanical Engineering Student, Martin Evans received the title "Engineers Ireland Innovative Student of the Year Award 2012" for the design and development of a scrub machine on 19 June. IMERC became the first Maritime Project to win An Taoiseach's Public Service Excellence Award 2012 on 21 June. CIT's Nimbus Centre was successful in its application to Cork County Council's Economic Development Fund for a project worth €140,000. Two of the Institute's Multidisciplinary Teams were honoured at the Enterprise Ireland/Invest Northern Ireland Think Outside the Box Innovation Finals. The Institute also received the Academic Innovation Award 2012. Mechanical Engineering student, Martin Evans obtained "First Place and Innovative Engineering Student of the Year 2012 Award" at the Engineers Ireland Innovative Engineer Award Finals on 18 June. Professor Sajal Das, University of Texas at Arlington, visited the Institute on 14 August. Prof. Das was awarded the SFI Walton Fellowship Award to carry out his research at the Institute's Nimbus Research Centre. "nSilico" headed by Dr Paul Walsh and Dr Roy Sleator received over €1m in research funding under the FP7 Programme in early August. The Institute hosted a CIT Enterprise Camp on 17 August for 25 young entrepreneurs from Cork City and County schools who participated in the 5 day entrepreneurial programme at the Rubicon Centre.

G. National Strategy for Higher Education

In February 2012 the Higher Education Authority (HEA) published the Process and Criteria for Technological University Designation in conjunction with a policy paper on the Future Landscape for Higher Education. Following this publication the HEA asked for submissions from institutions in respect of the proposed landscape. In July 2012, CIT made a submission outlining the Institute's intention to seek designation as the Munster Technological University (MTU) in co-operation with IT Tralee and LIT. The CIT submission was mirrored by similar submissions from IT Tralee and LIT.

Dr Brendan J. Murphy
President

1.3 Equality Statement

CIT is an equal opportunities employer. It is committed to the on-going development of policies and procedures that do not discriminate on the grounds of gender, marital status, age, disability, race, colour, religious belief, ethnic origin or sexual orientation.

It will always work towards the elimination of unfair practices and promote and develop an ethos of equality within the Institute.

1.4 Irish Language & Culture

Under the terms of the Regional Technical Colleges Act (1992) and the Qualifications Act (1999) the Institute is obliged to have regard to the preservation, promotion and use of the Irish language and to the preservation and development of the national culture. There are particular responsibilities on CIT because included in its region are Gaeltacht areas. There is also a significant amount of second level education through Irish in the region to which the Institute wishes to be responsive. In addition, the sections of the Official Languages Act which were commenced by order of the Minister for Rural, Community and Gaeltacht Affairs, impose new obligations on the Institute.

1.5 About Cork Institute of Technology and its Organisation Chart

CIT operates over four main sites located both in the city and county of Cork:

Bishopstown Campus situated in the western suburbs of Cork City

CIT Crawford College of Art & Design (CIT CCAD) situated in Cork City

CIT Cork School of Music (CIT CSM) situated in Cork City

National Maritime College of Ireland (NMCI) situated in Ringaskiddy, Co Cork

Bishopstown Campus

The main Campus of 35 hectares is situated in Bishopstown and includes the Faculty of Engineering & Science, Faculty of Business & Humanities, the main CIT Library, Sports Facilities and the offices of the President, the Registrar & Vice President for Academic Affairs, the Vice President for Development and the Vice President for Finance & Administration.

The Rubicon Centre and the NIMBUS Centre are also located on this campus.

CIT Crawford College of Art & Design (CIT CCAD)

CIT CCAD is a listed building dating from the early 1900s located in Sharman Crawford Street and includes the departments of Fine Art & Ceramic Design, Art & Design Education and Art Therapy & Continuing Visual Education. The Department of Media Communications situated on the Bishopstown Campus is also part of the CIT CCAD.

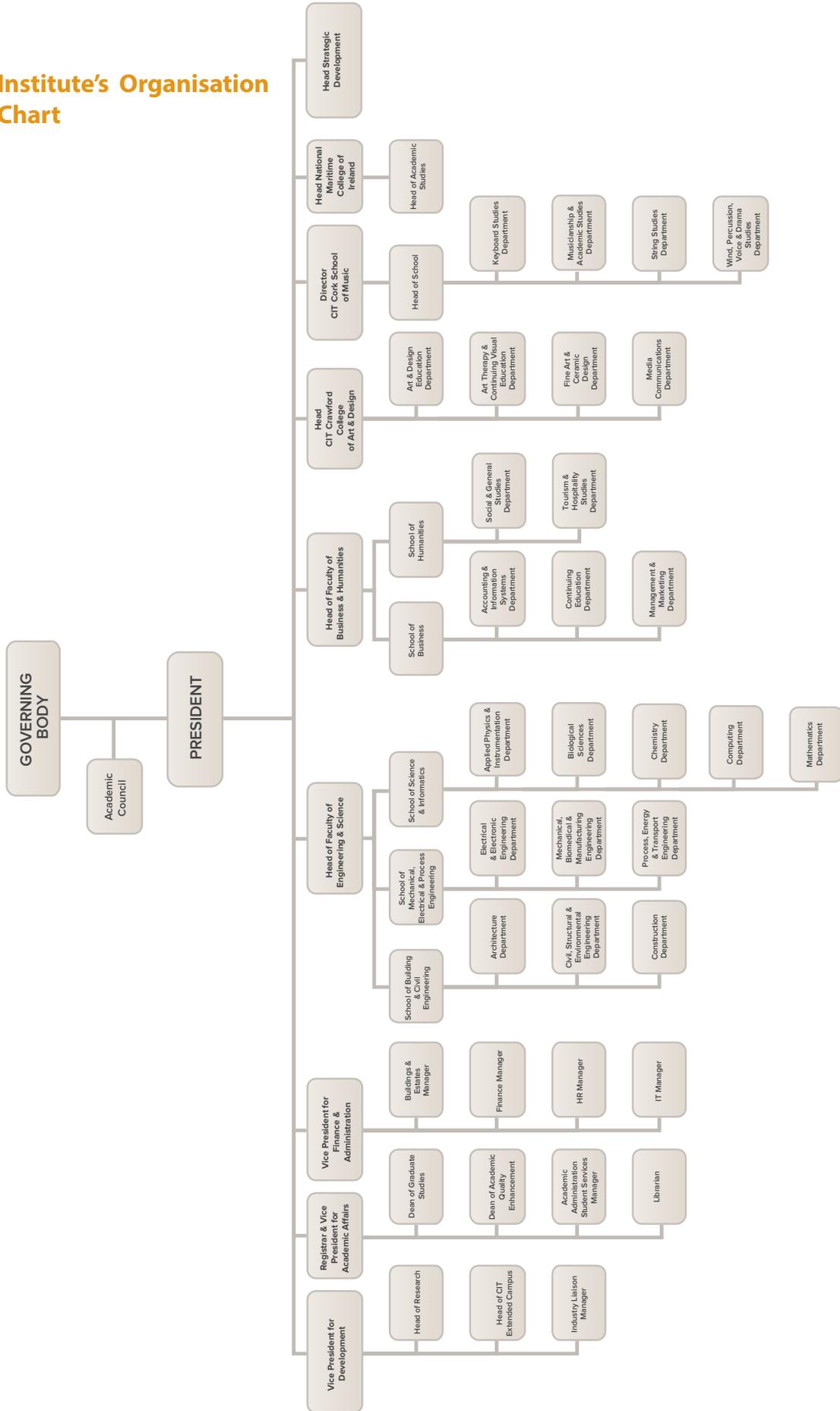
CIT Cork School of Music (CIT CSM)

The CIT CSM traces its history back to 1878 and is now located in a state of the art facility since September 2007. It includes the departments of Keyboard Studies, String Studies, Wind, Percussion, Voice & Drama Studies and Musicianship & Academic Studies.

National Maritime College of Ireland (NMCI)

This state-of-the-art College operating from 2004 is located in Ringaskiddy, Co Cork and provides training and education for the Merchant Marine and the non-military needs of the Irish Naval Service (INS). NMCI Services is the commercial arm of the College.

1.5 Institute's Organisation Chart



1.6 Special Units and Centres operating within the Institute

The following Centres and Unit operate under the auspices of the Vice President for Development:

1. Blackrock Castle Observatory (BCO)

Through BCO, CIT is changing, positively, attitudes towards science, engineering and technology in Ireland and aims to be recognised and respected as a centre of excellence in scientific research, education and outreach. BCO provides the people of Cork and the wider region a centre of excellence in science that fosters interest in science, engineering and technology through the medium of astronomy. BCO has an annual throughput of 25,000 visitors.

2. NIMBUS Centre for Research in Embedded Networked Systems

The NIMBUS Research Centre is a purpose built state of the art 1800m² research building which forms the backbone of the Institute's Strategic Research Cluster in Embedded Networked Systems. NIMBUS incorporates the Adaptive Wireless Systems Group, the Smart Systems Integration Group and the Technologies for Embedded Computing Centre (TEC). The TEC Centre acts as the primary industry interface with the NIMBUS Research Centre and provides a "one-stop-shop" for innovation in embedded systems for industry in the region. The NIMBUS Research Centre provides industry with the opportunity to utilise the industry laboratories and access support programmes and will be home to over 80 staff, researchers and post-graduate students when fully occupied.

3. Rubicon Centre

The Rubicon Centre is CIT's on campus Incubation Centre. It is home to 50 knowledge based start-up companies at different stages of development. Some clients are at concept stage, others are completing their first customer orders, and many are already trading internationally. Since opening its doors in January 2006, the Rubicon Centre has quickly positioned itself as a catalyst for innovation and entrepreneurship in Cork. An extension to the building became operational in June 2010, increasing total incubation space to 2,100m². The Rubicon Centre's role as an incubator is to assist the formation and growth of early stage, knowledge intensive businesses, by providing physical space, in-house management support, access to advice and support from Institute resources. The Centre aims to stimulate an environment of creativity and innovation with a continual focus of nurturing the growth of knowledge based business and commercial research in the South West Region.

4. Strategic Innovation Projects Unit

The Strategic Innovation Projects Unit was established to manage the CIT-led Strategic Innovation Fund (SIF) Projects Education in Employment (Cycle 1) and Roadmap for Employment-Academic Partnerships (Cycle 2). It involves a total of 9 Institutes of Technology and 2 Universities as collaborating partners. The Unit also has responsibility for CIT's involvement in a number of related SIF projects including the WIT-led Knowledge Transfer in the Curriculum, IoT-led Flexible Learning Project and the UL-led IDEAS project. In addition to managing the outcomes and financial aspects of the projects, the Unit is also responsible for dissemination of the project outcomes and for mainstreaming the partnership and engagement activities.

The following Centres operate under the auspices of the Head of the Faculty of Engineering & Science:

1. Bio-Explore Strategic Research Cluster

The Bio-Explore Strategic Research Cluster is a multidisciplinary cluster of researchers involving members from Biological Sciences, Chemistry, Applied Physics and Instrumentation, and Biomedical Engineering. Bio-Explore researchers will relocate to a new building in 2013. The Centre for Research in Advanced Therapeutic Engineering (CREATE) will provide a multidisciplinary environment with ready access to industry and visiting researchers.

Bio-Explore incorporates:

- MEDIC – the Medical Engineering Design and Innovation Centre. MEDIC is developing new instruments and approaches that will bring a number of medical product concepts to pre-commercialisation stage each year. MEDIC has two top-level objectives to enhance the Biomedical Engineering & Science Applied Research capability of CIT and develop medical technologies and products that have commercial potential. MEDIC will develop these devices and technologies to a point where they are transferable to a commercialisation entity (e.g. an existing company via licensing agreement OR a spin off campus company). MEDIC will focus on three research strands: SMART surgical devices (integration of micro electronics into medical devices such as orthopaedic implants); Assistive Rehabilitation (use of gait analysis to develop products and technologies to support the rehabilitation of stroke victims and/or improve the physical development for cerebral palsy children); and Therapeutic and Regenerative Medicine – focussing on orthopaedic bone grafts, neuro regenerative and antibacterial composites;

- Microbiology/virology research – concentrating on screening, isolation and testing of novel antimicrobial compounds which pose a potential threat to human health;
- Bioinformatics Research – concentrating on supporting the extraction of information from biological data banks;
- Food Research – concentrating on the control of fungal and bacterial contamination in dairy and meat products, extending shelf-life of fresh produce and the development of prebiotics;
- Mass Spectrometry and Bio-Actives Research – concentrating on the isolation, characterisation and use of bio-active compounds (including herbs) in a wide range of applications. The technique of mass spectrometry, in which the researchers are world-leaders, is used for much of the investigative research. CIT researchers in this field are at the forefront of food borne biotoxin research in Europe.

2. The Centre for Advanced Manufacturing and Management Systems (CAMMS)

CAMMS is attached to the School of Mechanical, Electrical and Process Engineering. The Centre uses the design, build, test and validate expertise of these Departments in solving problems for industry and in delivering up to date training and education. Certifications available include City and Guilds, American Society for Quality, and the Society of Manufacturing Engineers. The Centre is an Associate Member of the International Institution for Production Engineering (CIRP) and a recognised Training Provider for Continuing Professional Development (CPD) to Engineers Ireland. Tailored courses can be delivered at place of work or at CIT.

3. Centre for Surface & Interface Analysis (CSIA)

CSIA is based in the Department of Applied Physics and Instrumentation. This Centre was developed, with Government and European Union funding, as a specialist facility for the analysis of the surfaces and interfaces of materials. The Centre provides the following range of services on a commercial basis with:

- Analytical Services: a commercial surface analysis service aimed at industrial and other users, featuring a rapid turn around in solving problems that relate to quality assurance, process trouble-shooting and other production issues;
- Contract R & D: pre-competitive and competitive R & D through participation on a partnership basis in projects that originate within industry;
- Education & Training: providing short courses on analytical techniques and other related topics;
- Consultancy: providing access to expert advice, either through in-house expertise or through data-bases and a network of external contract;
- Techniques such as Auger electron spectroscopy (AES), X-ray photoelectron spectroscopy (XPS) and scanning electron microscopy (SEM) are used to analyse surface and sub-surface chemistries of samples under UHV conditions.

4. Cork Centre for Architectural Education (CCAIE)

Established in 2006, CCAIE is a joint venture between CIT and UCC. Supported by Cork City Council and the architectural profession within the region, CCAIE represents a unique undertaking and a natural development of cross-institutional collaboration and partnership.

It offers jointly awarded undergraduate and postgraduate degrees (taught and research) in Architecture.

5. Clean Technology Centre (CTC)

The CTC, based at Bishopstown Campus, was established in 1992 as a not for profit organisation, focusing on preventive approaches to environmental protection. How the CTC came into being and how it was supported is unique. In every country where a similar centre of excellence exists, they have been solely established by or in cooperation with local or national government. However, the creation of the CTC was primarily the result of the foresight of CIT and the demonstration of corporate social responsibility by industry.

The CTC is an independent body, whose mission is to advise and assist industry, government and society alike towards a more sustainable pattern of consumption and production. The integrity and reputation of CTC ensures its unbiased assessment of environmental issues. Its goal is to move consumption and production patterns towards more preventive approaches, through Cleaner Production and the use of Cleaner Technologies. Cleaner production brings economic, social, health, safety and environmental benefits. This has since been expanded to “sustainable production” which includes aspects such as corporate social responsibility.

Since its inception, CTC has become recognised as a centre of excellence in the field of environmental management and one of the leading Irish and European proponents of cleaner production and preventive approaches to environment protection. It has remained active in environmental research and consultancy providing valuable advice and assistance to wide range of clients, national and international. These include individual companies, sectoral groups, and umbrella industrial organisation. CTC has an industrial portfolio of over 250 companies. Other clients include local authorities, national agencies, Government Departments as well as several Directorates General of the European Commission. CTC has carried out over 120 environmental research projects with over 100 partners from more than 30 countries.

6. Irish National Centre for Membrane Technology (INCMT)

INCMT is based in the Department of Process, Energy & Transport Engineering.

The INCMT was established to foster academic research in the application of membrane technology and to promote technology transfer in this area. The mission statement of the INCMT is to:

- (i) Promote the use of membrane technology by industry in Ireland,
- (ii) Carry out R & D projects which will foster technology transfer in Ireland and enhance academic understanding, and
- (iii) Create a national network made up of representatives of the relevant industrial sectors, academics, membrane and membrane system suppliers, and other interested parties.

The INCMT has established a vibrant network interested in the field of membrane separation technology through its series of short conferences which were a great success, with attendances ranging from 50 to 100 participants from the biopharmaceutical, fine chemical, food, design consultancy and academic sectors. The Centre, at present, is working towards establishing formal collaborations with other research organisations active in areas relevant to its own research area and with Sectoral groups. It also aims to establish a Steering committee, which will focus its research on industry needs with the aim of commercialising its research.

The INCMT focus on membrane separations links with CIT's CTC focus on policy development and industrial support in the field of cleaner technologies.

7. Photonics Strategic Research Cluster

The Photonics Strategic Research Cluster incorporates the Centre for Advanced Photonics and Process Analysis (CAPPA) and the Astronomy and Instrumentation Group (AIG). CAPPA operates an industry-interface centre from the Bishopstown Campus established under the Enterprise Ireland Applied Research Enhancement scheme in 2008, with a key objective of the centre to analyse the real-time quality of industry's manufacturing processes without the need for them to interrupt the process. CAPPA has approximately 30 researchers, seven on the Bishopstown Campus and 23 in its laboratories in the Tyndall National Institute. Given the regional industrial profile and its needs, the target sectors for CAPPA include medical devices, pharmaceuticals, electronics and naturally photonics itself. CAPPA has over 15 industrial partners, including Alcon Ireland, Logitech and Epi-Light.

Alcon is a Medical Device Multinational Company based in Cork producing advanced Intra-ocular lenses for replacement of the eye's natural lens during cataract surgery. Logitech is a world leader in personal peripherals, driving innovation in PC navigation, internet communications, digital music, home-entertainment control, gaming and wireless devices. Epi-Light is an indigenous start-up company based in Cork which develops advanced LED lighting systems for the Life Science, Pharmaceutical and Medical Device sectors.

The industry-interface centre of CAPPA will be re-housed to a new state-of-the-art research building in 2013 as a result of success in the PRTLIV programme.

The following Unit operates under the auspices of the National Maritime College of Ireland

1. NMCI Commercial Services (NMCIS)

NMCIS is the Commercial division of the NMCI. Its goal is to achieve and deliver excellent, quality service to its existing and future customer base. The services' primary function is to promote and support all commercial activities of the College. NMCIS has produced an annual commercial schedule of professional maritime short courses, listing all the short courses scheduled for the year. It also provides specialised group courses for companies in the industry. All its clients will be trained by quality professional mariners to the highest standards.

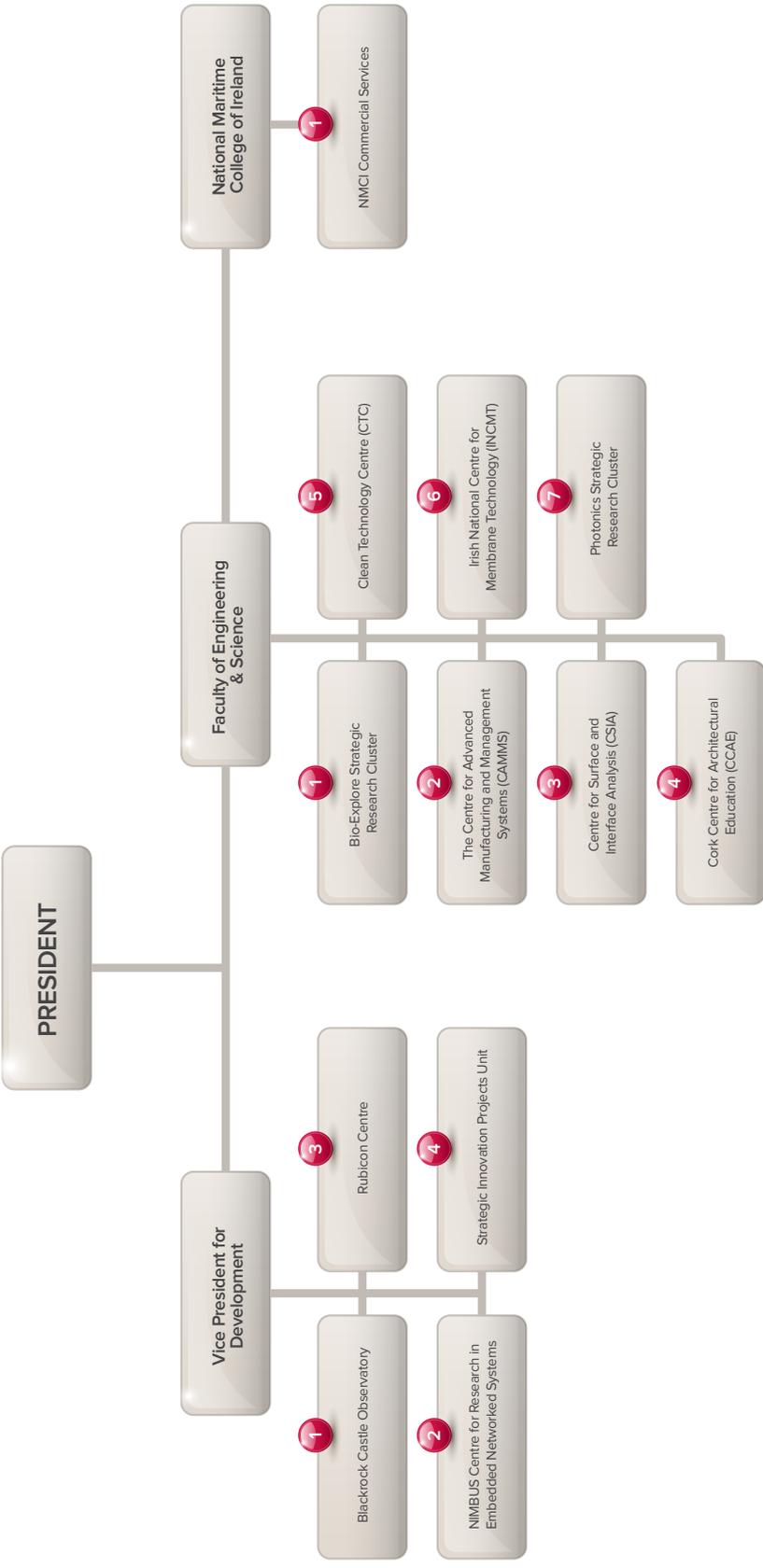
- **GAC Training & Service Solutions Limited (GTSS)**

GAC GTSS, launched on 11 February 2010, is a joint venture company between GAC and the NMCI. It provides cost saving and innovative training solutions for the Maritime, Transport and Commodity sectors. GTSS combines GAC's network, commercial contacts, expertise and knowledge in global shipping, logistics and the marine industry with the superb facilities of NMCI. This partnership is focused on delivering a complete portfolio of training courses for both seafarers and shore-based shipping and commodity operations personnel. GTSS operates under the College's Commercial Division, NMCIS and is being coordinated on the ground by the GTSS Marketing Executive under the direction of the NMCI Services Manager in partnership with the GAC Vice President of Solutions. It has its own Board of Directors with key staff from both shareholders holding seats on the Board. The NMCIS Manager holds the position of Managing Director/Company Secretary.

- **SEFtec NMCI Offshore Limited (SNO)**

SNO is a joint venture company between the NMCI and SEFtec Global Training Ireland Limited (SGT). Its primary role is as a vehicle to combine the offshore training expertise of SGT with the world class maritime training facilities at the NMCI in pursuit of OPITO (Offshore Petroleum Industry Training Organisation) standards and accreditation for courses to the offshore industry. SNO operates under the College's commercial division, NMCIS and is managed on the ground by the Offshore Course Coordinator under the direction of the NMCIS Manager. It has its own Board of Directors with key staff from both shareholders holding seats on the Board. The NMCIS Manager holds the position of Managing Director of SNO, the CIT Finance Manager is Company Secretary.

Special Units and Centres operating within the Institute and their relationship to the Institute's Organisation Chart



1.7 Sports Facilities Development

Despite the expansion of the Institute in terms of student numbers from its opening in 1974, sports facilities, and in particular outdoor sports facilities were in short supply and consisted of a single GAA pitch, a rugby pitch and tarmac tennis courts in the mid 1990s.

To address this deficiency in sports facilities the Institute embarked on a decade long development which has transformed the Institute's sporting assets from humble beginnings to its present situation where CIT's outdoor sports facilities are the envy of the educational third-level sector throughout the country.

The initial phase of the sports development masterplan drawn up by Mr Michael Horgan of Horganlynch Consulting Engineers was the construction of a new rugby pitch located on the western side of the campus and adjacent to the GAA pitch. The construction of this pitch freed up the site of the old rugby pitch and a synthetic all-weather pitch was opened here in 2000. The success of the synthetic all-weather pitch which can accommodate hockey, soccer and GAA is evident by its constant use by students, staff, and external clubs and groups alike.

The next and most ambitious phase of the sports masterplan was the purchase for sports usage of approximately 8.91 hectares of land west of the Curraheen river on what was known as "Rock Farm". Due to its proximity to the river the land was low-lying and liable to flooding and so, for a period of approximately three years a programme of filling took place to raise the general area by approximately two metres. On completion, the extensive network of ESB lines crossing the site were removed and this allowed the construction of six sand based grass pitches for GAA, soccer and rugby. This brought the total number of grass playing pitches to nine when the athletics track infield is taken into consideration.

To service these pitches and to provide a state-of-the-art spectator venue, a covered seated stand was constructed in 2007 with a seated capacity of 1,150 along with six dressing rooms, referee's room, medical room, gymnasium and social area.

Along with the developments listed above, three pitches have full floodlighting to allow night matches and training, and a synthetic carpet tennis court have also been constructed. Indoor sports and training are accommodated in a large and well-equipped sports hall and fully equipped gym, centrally located on campus.

The Official Opening of the New Stand at the Institute's Sports Complex, Bishopstown took place on 4 June 2010. The opening was performed by the Minister for Enterprise, Trade and Innovation, Mr Batt O'Keeffe, T.D.



In the 2010/2011 academic year, the Institute featured prominently in a number of events and numerous successes. Its excellently prepared sports grounds and facilities played host to numerous competitions throughout the year including schools matches, schools Cork County Camogie Final, Cork City Sports, GOAL Mile, the Munster Schools & Universities Cross Country Championships, WSCAI Intervarsities, Kayaking Intervarsities, Novice Boxing Intervarsities, and the All-Ireland Colleges Rugby Finals. CIT provided training facilities for a number of intercounty teams including the Cork Ladies Footballers and Camogie from under-age to Senior Level, Cork Kennedy Cup team, Schools of Excellence in Camogie, Ladies Soccer, and GAA.

In May 2011, CIT signed a 4-year agreement with Munster Rugby which saw the Cork based members of the professional Munster Squad and Academy headquartered at CIT's Elite Gym on its Bishopstown Campus.

As well as catering for the competitive athlete, the Institute places a big emphasis on participation and fun and this is reflected in the growing numbers of students who take part.

In January 2012, CIT signed an agreement with the Cork County Board which saw the Cork Senior Hurling panel headquartered at CIT's Bishopstown Campus. They utilised the sports and ancillary services at CIT for their training and development.

CIT has a long and successful tradition of helping to produce some of Ireland's finest sporting talent. This is a tradition it seeks to strengthen, and progress, by significantly supporting the Elite Student Athlete and High Performance Teams.



2. Governance

Cork Institute of Technology

- 2.1 Membership of Governing Body
- 2.2 Governing Body Meetings
- 2.3 Institute Executive Board (IEB)
- 2.4 Institute Senior Staff

2.1 Membership of Governing Body

The composition of the Governing Body is determined by the Regional Technical Colleges Acts, 1992 and 1994. The ordinary members with the exception of the two student representatives are appointed for a period of five years.

The two student representatives are appointed for a period of one year up to 30 September.

The membership of the Governing Body from 1 September 2011 is as follows:

Mr Bob Savage, Chairman (Nominee of the Minister for Education and Skills)

Dr Brendan J. Murphy, President, CIT (Ex Officio)

Governing Body members as per Section 4 of the 1994 Act

Six appointed under Section 4(1)(a) and (b)

Cllr Catherine Clancy (Nominee of City of Cork VEC)

Cllr James A. Corr (Nominee of City of Cork VEC)

Mr Ted Owens (Nominee of City of Cork VEC)

Mr Barra Ó Briain (Nominee of County Cork VEC)

Cllr Mary Hegarty (Nominee of County Cork VEC)

Canon G.A. Salter (Nominee of County Cork VEC)

Two appointed under Section 4(1)(c)

Dr Áine Ní Shé (Academic Staff Nominee)

Mr John O'Sullivan (Academic Staff Nominee)

One appointed under Section 4(1)(d)

Mr Eoin Deane (Non Academic Staff Nominee)

Two appointed under Section 4(1)(e)

Mr John Lane (Nominee of Students' Union) up to 30 September 2011

Ms Vicki Fitzpatrick (Nominee of Students' Union) up to 30 September 2011

Mr Chris Scanlon (Nominee of Students' Union) up to 30 September 2012

Ms Niamh Hayes (Nominee of Students' Union) up to 30 September 2012

One appointed under Section 4(1)(f)

Ms Ann Piggott (Nominee of the Irish Congress of Trade Unions)

Five appointed under Section 4(1)(g)

Ms Valerie Gleeson (Nominee of the Arts Council)

Ms Mary Keane (Nominee of the Association of Principals and Vice Principals of post primary schools)

Mr Billy O'Neill (Nominee of Institution of Engineers of Ireland)

Mr Mark Whitaker (Nominee of Cork Chamber of Commerce)

Mr Jim Woulfe (Nominee of Irish Co-Operative Organisation Society Ltd.)

2.2 Governing Body Meetings

During the period from 1 September 2011 to 31 August 2012, the Governing Body met on nine separate occasions. They met on the following dates:

Thursday 29 September 2011

Thursday 3 November 2011

Thursday 1 December 2011

Thursday 2 February 2012

Thursday 1 March 2012

Thursday 5 April 2012

Thursday 3 May 2012

Thursday 7 June 2012

Thursday 5 July 2012

2.3 Institute Executive Board (IEB)

The Institute Executive Board was set up and held its first meeting in March 2004. Its role and functions are:

The Institute Executive Board is a non-statutory committee of the Institute. The role of the Institute Executive Board is to assist the President in the management of the Institute and to formulate Institute policy for approval by the Governing Body, including academic matters, operational issues, the annual returns, and the programmes and budgets for the Institute. The Institute Executive Board is thus a standing instrument of internal consultation between the President's Office and senior management across all academic and administrative functions of the Institute.

The composition of the Institute Executive Board is as follows:

Dr Brendan J. Murphy, President
Dr Barry O'Connor, Registrar & Vice President for Academic Affairs
Mr Paul Gallagher, Vice President for Finance & Administration
Mr Michael Delaney, Vice President for Development and Acting Head of the National Maritime College of Ireland (NMCI)
Mr Michael Loftus, Head of Faculty of Engineering & Science
Mr Damien Courtney, Head of Faculty of Business & Humanities
Dr Geoffrey Spratt, Director, CIT Cork School of Music
Ms Orla Flynn, Head, CIT Crawford College of Art & Design
Mr Tadhg Leane, Head of Strategic Development

The Institute Executive Board meets on a monthly basis and at such other times deemed to be necessary. It is chaired by the President or by the President's nominee from within the Board. A Recording Secretary is present at all meetings to record details of the meetings. Reports from their meetings are circulated to Governing Body and available to staff on the staff intranet.

2.4 Institute Senior Staff

The Cork School of Music, the Crawford College of Art & Design and the National Maritime College of Ireland are constituent schools of Cork Institute of Technology.

President

Dr Brendan J. Murphy, BA, MA, PhD, FSS, FICS, CEng, FIEI

Institute Executive Board

Registrar & Vice President for Academic Affairs

Dr Barry O'Connor, BE, MEngSc, PhD, BCL, CEng, MIEI

Vice President for Finance & Administration

Mr Paul Gallagher, MSc, FCMA

Vice President for Development

Mr Michael Delaney, MSc, MEd, MIBioll, HDipEd, MICI, MESAI, ATCL

Head of Faculty of Engineering & Science

Mr Michael Loftus, BE, MEngSc, MICS

Head of Faculty of Business & Humanities

Mr Damien Courtney, BA, MA(Louv), MPhil(Louv), MIUSSP

Head of National Maritime College of Ireland (Acting)

Mr Michael Delaney, MSc, MEd, MIBioll, HDipEd, MICI, MESAI, ATCL

Director, CIT Cork School of Music

Dr Geoffrey Spratt, BA, PhD

Head, CIT Crawford College of Art & Design

Ms Orla Flynn, MSc, MA, MICS, MIDI

Head of Strategic Development

Mr Tadhg Leane, BA, MSc

Head of Research

Dr Niall Smith, BSc, PhD

Dean of Academic Quality Enhancement

Dr Stephen Cassidy, BE, MEngSc, PhD, CEng, Eur Ing, MIEI

Head of CIT Extended Campus

Dr Irene Sheridan, BE, MEngSc, PhD

Head of NIMBUS Centre

Dr Dirk Pesch, Dipl.Ing, PhD, IEEE, IEI, ACM

Central Services Managers

Academic Administration & Student Affairs Manager

Dr Dan Collins, MEd, BA, BD, PhD

Buildings & Estates Manager

Mr Kevin McCarthy, MSc, CEng, MIEI

Finance Manager

Mr John Cogan

Human Resources Manager

Mr Anthony Collins, BA

Industry Liaison Manager

Ms Josette O'Mullane, BComm, ACMA

IT Manager

Mr Gerard Culley, BEng, MIEI, CCNA, CISSP

Librarian

Mr Derry Delaney, BA, DLIS

Bishopstown Campus:

FACULTY OF ENGINEERING & SCIENCE

Head of Faculty

Mr Michael Loftus, BE, MEngSc, MICS

School of Building & Civil Engineering:

Head of School

Dr Joseph Harrington, BE, MS, PhD, CEng, FIEI, EurIng, PE

Head of Department of Architecture

Ms Katherine Keane, BSc in Arch, MArch, ARIAI

Head of Department of Civil, Structural & Environmental Engineering

Mr Desmond Walsh, BE, MSc, DIC, CEng, MIEI, MICE

Head of Department of Construction

Dr Daniel Cahill, MSc, PhD, MRICS

School of Mechanical, Electrical & Process Engineering:

Head of School

Mr Matt Cotterell, BE, MED, CMfgE, MIEI, AMIMechE

Head of Department of Electrical & Electronic Engineering

Dr Joe Connell, BSc (Eng), MSc (Eng), PhD, CEng, FIEI, MIEEE

Head of Department of Mechanical, Biomedical & Manufacturing Engineering

Mr Daithí Fallon, BE, MEngSc, CEng, MIEI, CQE

Head of Department of Process, Energy & Transport Engineering

Dr Michael J. O'Mahony, BE, MEngSc, PhD, MIEI

School of Science & Informatics:

Head of School (Acting)
 Head of Department of Applied Physics & Instrumentation
 Head of Department of Biological Sciences (Acting)
 Head of Department of Chemistry
 Head of Department of Computing
 Head of Department of Mathematics

Dr Hugh McGlynn, BSc, PhD, FHEA
 Dr Liam McDonnell, BSc, PhD, CPhys, FInstP
 Dr Brendan O'Connell, BSc (Hons), PhD
 Dr John Wood, BSc, PhD, CChem, MRSC, FIC
 Mr Jim O'Dwyer, BA(Mod), HDipEd, CEng, FICS, MBCS
 Dr Áine Ní Shé, BEd, MA, PhD, LRSM, LTCL

FACULTY OF BUSINESS & HUMANITIES

Head of Faculty

Mr Damien Courtney, BA, MA(Louv), MPhil(Louv), MIUSSP

School of Business:

Head of School
 Head of Department of Accounting & Information Systems
 Head of Department of Continuing Education (Acting)
 Head of Department of Management & Marketing

Mr Gerard O'Donovan, BComm, MBA, MMII, MICS
 Ms Caroline O'Reilly, BComm, MBus
 Mr Don Crowley, BBus, GDE(B), Grad. Dip IT
 Mr Brian McGrath, BComm, FCA, MMII

School of Humanities:

Head of School (Acting)
 Head of Department of Social & General Studies
 Head of Department of Tourism & Hospitality Studies

Dr Margaret Linehan, BBus, MBus, PhD
 Mr Jim Walsh, BA, HDipEd, BCL, LLB, MEMI
 Mr Adrian Gregan, BA, MBus, Dip H&C Mgmt, FIHI,
 Post Grad Dip Hosp Ed

School of Graduate Studies

Dean of Graduate Studies

Dr Eamonn Cashell, BA(Mod), BSc, PhD, CPhys, MInstP

CIT CORK SCHOOL OF MUSIC

Director
 Head of School
 Head of Department of Keyboard Studies

 Head of Department of Musicianship & Academic Studies
 Head of Department of String Studies
 Head of Department of Wind, Percussion, Voice & Drama Studies

Dr Geoffrey Spratt, BA, PhD
 Ms Aiveen Kearney, MA, BMus, HDE, ATCL
 Dr Gabriela Mayer, DMA, MMus, BMus, Dip Berlin
 Hochschule
 Ms Maria Judge, BMus, Dip Kodály Intézet Hungary
 Ms Joan Scannell, MA, BMus, DipCSM, LTCL
 Mr John O'Connor, MA, BMus, HDE, FTCL, LRSM

CIT CRAWFORD COLLEGE OF ART & DESIGN

Head
 Head of Department of Art & Design Education
 Head of Department of Art Therapy & Continuing Visual Education
 Head of Department of Fine Art & Ceramic Design (Acting)
 Head of Department of Media Communications

Ms Orla Flynn, MSc, MA, MICS, MIDI
 Mr Albert Walsh, MEd, Dip ADT, ND Design
 Mr Edward Kuczaj, MA, Dip Art Th, RNMS
 Ms Trish Brennan, MA, BA
 Ms Rose McGrath, MA, Dip Ed, BDes

NATIONAL MARITIME COLLEGE OF IRELAND

Head (Acting)

 Head of Academic Studies

Mr Michael Delaney, MSc, MEd, MIBioll, HDipEd,
 MICI, MESAI, ATCL
 Dr Noel Barry, BE, ME, PhD, CEng, MIEI, MPES, MIAS





3. Academic & Student Affairs

Cork Institute of Technology

- 3.1 Academic Council Membership
- 3.2 Academic Council Executive Committee Membership
- 3.3 Academic Council Committees
- 3.4 Academic Development
- 3.5 Approved Courses – Full-Time
- 3.6 Approved Courses – Part-Time
- 3.7 Validating Authorities
- 3.8 External Examiners
- 3.9 Student Statistics
- 3.10 Student Prizes
- 3.11 Student Ombudsman

3.1 Academic Council Membership

The current members of the Academic Council were appointed in June 2010 and will continue in office for a period of three years. The Academic Council met on eight occasions during the period 1 September 2011 to 31 August 2012 as follows:

Wednesday, 21 September 2011
 Wednesday, 5 October 2011
 Wednesday, 23 November 2011
 Wednesday, 18 January 2012

Wednesday, 29 February 2012
 Wednesday, 25 April 2012
 Friday, 8 June 2012
 Wednesday, 20 June 2012

PRESIDENT

Brendan J. Murphy

SENIOR ACADEMIC STAFF

Adrian Gregan	Head of Department of Tourism & Hospitality Studies
Áine Ní Shé	Head of Department of Mathematics
Aiveen Kearney	Head of School, CIT CSM
Albert Walsh	Head of Department of Art & Design Education, CIT CCAD
Brendan O'Connell	Head of Department of Biological Sciences (Acting)
Brian McGrath	Head of Department of Management & Marketing
Caroline O'Reilly	Head of Department of Accounting & Information Systems
Daithí Fallon	Head of Department of Mechanical, Biomedical & Manufacturing Engineering
Damien Courtney	Head of Faculty of Business & Humanities
Daniel Cahill	Head of Department of Construction
Desmond Walsh	Head of Department of Civil, Structural & Environmental Engineering
Don Crowley	Head of Department of Continuing Education (Acting)
Eamonn Cashell	Dean of Graduate Studies
Edward Kuczaj	Head of Department of Art Therapy & Continuing Visual Education, CIT CCAD
Gabriela Mayer	Head of Department of Keyboard Studies, CIT CSM
Geoffrey Spratt	Director, CIT CSM
Gerard O'Donovan	Head of School of Business
Hugh McGlynn	Head of School of Science & Informatics (Acting)
Irene Sheridan	Head of CIT Extended Campus
Jim O'Dwyer	Head of Department of Computing
Jim Walsh	Head of Department of Social & General Studies
Joan Scannell	Head of Department of String Studies, CIT CSM
Joe Connell	Head of Department of Electrical & Electronic Engineering
Joe Harrington	Head of School of Building & Civil Engineering
John O'Connor	Head of Department of Wind, Percussion, Voice & Drama Studies, CIT CSM
John Wood	Head of Department of Chemistry
Katherine Keane	Head of Department of Architecture
Liam McDonnell	Head of Department of Applied Physics & Instrumentation
Margaret Linehan	Head of School of Humanities (Acting)
Maria Judge	Head of Department of Musicianship & Academic Studies
Matt Cotterell	Head of School of Mechanical, Electrical & Process Engineering
Michael Delaney	Head, NMCI (Acting)
Michael Loftus	Head of Faculty of Engineering & Science
Michael J. O'Mahony	Head of Department of Process, Energy & Transport Engineering
Niall Smith	Head of Research
Noel Barry	Head of Academic Studies, NMCI
Orla Flynn	Head, CIT CCAD
Rose McGrath	Head of Department of Media Communications
Stephen Cassidy	Dean of Academic Quality Enhancement
Tadhg Leane	Head of Strategic Development
Trish Brennan	Head of Department of Fine Art & Ceramic Design (Acting), CIT CCAD

SENIOR EXECUTIVE

Barry O'Connor	Registrar & Vice President for Academic Affairs
Michael Delaney	Vice President for Development
Paul Gallagher	Vice President for Finance & Administration

EX-OFFICIO STAFF

Catherine Frehill	Module Moderator
Derry Delaney	Librarian
Dan Collins	Academic Administration & Student Affairs Manager
Eva Juhl	Institutional Review Facilitator
John Twohig	Head of Centre of Craft Studies
Commander David Barry	Associate Head of NMCI

STUDENT REPRESENTATIVES

Chris Scanlon	President of Students' Union, CIT
Killian Hughes	Education Vice President of Students' Union, CIT

ELECTED ACADEMIC STAFF**Faculty of Engineering & Science**

Brian O'Rourke	Civil, Structural & Environmental Engineering
Chris Gibbons	Mechanical Engineering
David Cadogan	Civil, Structural & Environmental Engineering
Garrett O'Sullivan	Architecture
Gerard Kelly	Manufacturing, Biomedical & Facilities Engineering
Guillaume Huyet	Applied Physics & Instrumentation
Harvey Makin	Applied Physics & Instrumentation
Ian O'Sullivan	Chemical & Process Engineering
John Barrett	Electronic Engineering
John Justin Murphy	Civil, Structural & Environmental Engineering
Marc Ó Riain	Architecture
Michael Brennan	Mathematics
Michael J. O'Mahony	Mechanical Engineering
Niamh Power	Civil, Structural & Environmental Engineering
Ray Looney	Electrical Engineering
Seamus Farrell	Construction
Siobhan O'Sullivan	Biological Sciences
Tim Horgan	Computing
Tom O'Mahony	Electronic Engineering
Colin Manning	Mathematics
Paul Walsh	Computing

Faculty of Business & Humanities

Áine de Róiste	Social & General Studies
Breda Fogarty	Management & Marketing
Carmel Buttimer	Accounting & Information
Catherine Murphy	Accounting & Information
Gearóid Ó Súilleabháin	DEIS
Mary Cooney	Social & General Studies
Maurice Murphy	Management & Marketing
Ruth Vance	Accounting & Information
Tom O'Connor	Social & General Studies

CIT CCAD

Ann Wilson	Media Communications
Catherine Hehir	CIT CCAD
Paul Green	Media Communications
Susanna Broderick	CIT CCAD

CIT CSM

Aileen Donnelly	CIT CSM
Carbry O'Sullivan	CIT CSM
David Whitla	CIT CSM
Dermot Walsh	CIT CSM
Hugh McCarthy	CIT CSM
Nicholas O'Halloran	CIT CSM
Regina Crowley	CIT CSM

NMCI

William Kavanagh	NMCI
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3.2 Academic Council Executive Committee Membership

The composition of the Academic Council Executive Committee is:

1. The President (ex-officio)
2. The Registrar & Vice President for Academic Affairs (ex-officio)
3. The Chairpersons of the Academic Council Committees
4. Seven nominated members of the Academic Council, one of whom is a student representative

The functions of the Executive Committee are:

- To order the business of the Academic Council, including the channelling of all business items to and from the Academic Council and its Committees;
- To refer relevant matters to Committees of the Academic Council;
- To coordinate the work of the Committees of the Academic Council;
- To assist in the implementation of Academic Council decisions.

Meetings of the Academic Council Executive Committee:

- Normally are held two weeks prior to and two weeks after the Academic Council meeting and at such other times deemed to be necessary;
- Quorate of at least half of the membership of the Executive Committee to be present;
- Chaired by the President or by the President's nominee from within the Executive Committee. In the absence of the President or President's nominee, an acting Chairperson shall be appointed from within the Executive Committee by the members present;
- Recording to be by the Registrar & Vice President for Academic Affairs who shall act as Secretary of the Executive Committee. In the absence of the Registrar & Vice President for Academic Affairs, an acting Secretary shall be nominated from within the Executive Committee by the members present.

3.3 Academic Council Committees

The Academic Council approved the formation of the following committees:

Academic Planning & Review Committee

Tadhg Leane (Chairperson)

Admissions Committee

Matt Cotterell (Chairperson)

Learning Resources Committee

Dr Siobhán O'Sullivan (Chairperson)

Regulations Committee

Ann Wilson (Chairperson)

Research & Development Committee

Dr Niall Smith (Chairperson)

Standing Orders Committee

Jim Walsh (Chairperson)

3.4 Academic Development

Delegated Authority for Joint Awards with University College Cork

On 28 October 2011, an expert panel led by Mr Jack O’Herlihy visited CIT to conduct a review of the processes and activities of the Institute underpinning its application for delegation of authority for joint awards with UCC.

Over a number of sessions, the panel met with representatives of senior management and programme staff from both CIT and UCC involved in the delivery, management and quality assurance of collaborative programme provision. The panel also met learner representatives from the joint Architecture and Biomedical Science programmes. Throughout these sessions, the panel aimed to confirm that the Institute’s arrangements and practices for the management, delivery, assessment, and quality assurance of collaborative programmes and for the making of joint awards meet the criteria for extension of delegated authority to cover joint awards with UCC.

On the recommendation of the panel, formal delegation of authority for joint awards between CIT and UCC was granted by HETAC.

Formation of Research Ethics Committee

During the academic year 2011/2012, a Research Ethics Committee was established to undertake the following functions:

- Advising on all matters relating to research ethics in research activity (staff and postgraduate);
- Overseeing, nurturing and encouraging ethical standards in research activity as well as fostering a research culture that is cognisant of best practice and new developments in research ethics;
- Supporting CIT research in being ethically compliant with national and international best practice and with national legislation (where it exists);
- Preparation and review of research ethics policies.

Programmatic Reviews

During the 2011/2012 academic year, the following programmatic review was completed:

- CIT School of Science: with Dr Dermot Douglas, Former Director of Academic Affairs, Institutes of Technology Ireland (IoTI) as Chair.

New Programme Development

The Institute continued to develop and diversify its programme portfolio. It is notable the number of new programmes that were developed and approved during the academic year across a broad range of disciplines.

Undergraduate

BSc in Craft Technology (Wood) with Business; BA (Hons) in Human Resource Management; BA (Hons) in Popular Music; HDip in Science in Software Development; HDip in Science in Cloud Computing; HDip in Science in Cloud & Mobile Software Development; and the BA (Hons) in Montessori Education.

Postgraduate

PGDip in Science in Construction Project Management; MSc in Construction Project Management; MSc in Marketing Practice; MEng in Mechanical Engineering; MEng in Chemical & Biopharmaceutical Engineering; and the MSc in Computational Biology.

Special Purpose Awards

Certificate in Chemical Process Operations; Certificate in Environmental & Energy Engineering; Certificate in Digital Media Design & Development; Certificate in Mechanical and Electrical Quantity Surveying; Certificate in Senior Command Operations; Certificate in Lean Six Sigma Green Belt; Certificate in Biomedical Device Manufacture; Certificate in Chemical and Biopharmaceutical Engineering; Diploma in Mechanical Engineering Systems; and 3D CAD in Solid Modelling.

Academic Policies

Collaborative Provision and Joint Awards Policy

During the academic year 2011-2012, the Institute approved a policy to govern the development and operation of all collaborative programmes and joint awards between CIT and other national or transnational providers of higher education and training programmes.

3.5 Approved Courses – Full-Time

SCHOOL OF BUILDING & CIVIL ENGINEERING

Department of Civil, Structural & Environmental Engineering

Bachelor of Engineering (Hons) in Structural Engineering
 Bachelor of Engineering in Civil Engineering
 Engineering (Hons Common Entry)
 MEng
 PhD

Department of Architecture

Bachelor of Science (Hons) in Architectural Technology
 Bachelor of Science (Hons) in Architecture (Joint with UCC)
 Bachelor of Science (Hons) in Interior Architecture
 Bachelor of Science in Architectural Technology
 Bachelor of Science in Interior Architecture
 M Arch Architecture (Joint with UCC)
 MSc (Arch) by Research
 PhD Architecture (Joint with UCC)

Department of Construction

Bachelor of Science (Hons) in Construction Management
 Bachelor of Science (Hons) in Quantity Surveying
 Bachelor of Science in Construction Economics
 Bachelor of Science in Construction Management
 Bachelor of Science in Construction

SCHOOL OF MECHANICAL, ELECTRICAL & PROCESS ENGINEERING

Department of Mechanical, Biomedical & Manufacturing Engineering

Bachelor of Engineering (Hons) in Mechanical Engineering
 Bachelor of Engineering (Hons) in Biomedical Engineering
 Bachelor of Science (Hons) in Advanced Manufacturing Technology (add-on)
 Bachelor of Science (Hons) in Process Plant Technology
 Bachelor of Engineering in Mechanical Engineering
 Bachelor of Engineering in Mechanical/Manufacturing Engineering
 Bachelor of Engineering in Biomedical Engineering
 MEng
 PhD

Department of Process, Energy and Transport Engineering

Bachelor of Engineering (Hons) in Chemical/Biopharmaceutical Engineering
 Bachelor of Engineering (Hons) in Sustainable Energy
 Bachelor of Engineering (Hons) in Building Energy Systems
 Bachelor of Science (Hons) in Transport Management (add-on)
 Bachelor of Engineering in Building Services Engineering
 Bachelor of Science in Transport Management & Technology
 Higher Certificate in Good Manufacturing Practice
 MEng
 PhD

Department of Electrical & Electronic Engineering

Bachelor of Engineering (Hons) in Electrical Power Systems (ab initio)
 Bachelor of Engineering (Hons) in Electronic Systems Engineering
 Bachelor of Engineering in Electrical Engineering
 Bachelor of Engineering in Electronic Engineering
 MEng
 PhD

SCHOOL OF SCIENCE & INFORMATICS

Department of Applied Physics & Instrumentation

Bachelor of Science (Hons) in Applied Physics & Instrumentation
 Bachelor of Science (Hons) in Computerised Instrumentation Systems
 Bachelor of Science (Hons) in Environmental Science & Sustainable Technology
 Bachelor of Science (Hons) in Instrument Engineering
 Bachelor of Science in Applied Physics & Instrumentation
 MSc
 PhD

Department of Biological Sciences

Bachelor of Science (Hons) in Biomedical Science
 Bachelor of Science (Hons) in Herbal Science (ab initio)
 Bachelor of Science (Hons) in Nutrition & Health Science
 Bachelor of Science (Hons) in Pharmaceutical Biotechnology
 Bachelor of Science in Applied Biosciences & Biotechnology
 Bachelor of Science in Biomedical Science
 Bachelor of Science in Food Science & Technology
 Bachelor of Science in Science in Biology
 MSc
 PhD

Department of Chemistry

Bachelor of Science (Hons) in Analytical Chemistry with Quality Assurance
 Bachelor of Science in Analytical and Pharmaceutical Chemistry
 Science (Hons Common Entry)
 Science (Common Entry)
 MSc
 PhD

Department of Computing

Bachelor of Science (Hons) in Cloud Computing
 Bachelor of Science (Hons) in Computer Services Management
 Bachelor of Science (Hons) in IT Management
 Bachelor of Science (Hons) in Software Development
 Bachelor of Science (Hons) in Software Development & Computer Networking
 Bachelor of Science (Hons) in Web Development
 Bachelor of Science in Computing
 Bachelor of Science in Information Technology Support
 MSc
 PhD

Department of Mathematics

MSc

SCHOOL OF BUSINESS

Department of Accounting & Information Systems

Bachelor of Business (Hons) in Accounting
 Bachelor of Business (Hons) in Information Systems
 Bachelor of Business (Hons) in Business Administration (add-on)
 Bachelor of Business in Accounting
 Bachelor of Business in Business Administration
 Bachelor of Science in Agriculture
 Bachelor of Science in Horticulture
 MBus
 ACCA Qualification

Department of Management & Marketing

Bachelor of Business (Hons)
 Bachelor of Business (Hons) in Marketing
 Bachelor of Business in Management
 Bachelor of Business in Marketing
 Bachelor of Business
 MBus
 MBus/MSc in Marketing Practice
 PhD

SCHOOL OF HUMANITIES

Department of Social & General Studies

Bachelor of Arts (Hons) in Early Childhood Care & Education
 Bachelor of Arts (Hons) in Social Care
 Bachelor of Arts (Hons) in Community Development
 Bachelor of Business in Recreation & Leisure Management
 Bachelor of Arts in Community Education and Development
 Bachelor of Arts in Early Childhood Care & Education
 Bachelor of Arts in Social Care
 MA
 PhD

Department of Tourism & Hospitality Studies

Bachelor of Business (Hons) in Hospitality Management
 Bachelor of Business (Hons) in Tourism
 Bachelor of Business in Bar Management
 Bachelor of Business in Culinary Arts
 Bachelor of Business in Hospitality Management
 Bachelor of Business in Tourism
 Higher Certificate in Culinary Arts
 Higher Certificate in Hospitality

NATIONAL MARITIME COLLEGE OF IRELAND

Bachelor of Science (Hons) Nautical Science
 Bachelor of Engineering in Marine & Plant Engineering
 Bachelor of Engineering in Marine Electrotechnology
 Bachelor of Science in Nautical Science
 Chiefmate, Master
 Higher Certificate in Nautical Science

CIT CORK SCHOOL OF MUSIC

B Music (Hons)
MA

CIT CRAWFORD COLLEGE OF ART & DESIGN

Bachelor of Arts (Hons) in Ceramic Design
Bachelor of Arts (Hons) in Applied Arts Ceramics
Bachelor of Arts (Hons) in Ceramic Design
Bachelor of Arts (Hons) in Fine Art
Bachelor of Arts in Ceramic Design
Higher Diploma in Arts for Art & Design Teachers
MA

Department of Media Communications

Bachelor of Arts (Hons) in Multimedia
Bachelor of Arts (Hons) in Visual Communications
Bachelor of Arts in Design Communications
MA

3.6 Approved Courses – Part-Time

The following part-time courses operated in the academic year 2011/12.

SCHOOL OF SCIENCE & INFORMATICS

Department of Applied Physics & Instrumentation

Higher Certificate in Science in Industrial Measurement and Control - Years 1 & 2

Department of Chemistry

Certificate in Quality Assurance

Diploma in Quality Management (Part I & II)

Department of Biological Sciences

MSc Biomedical Sciences (Taught) (Joint with UCC)

Department of Computing

(EMC Outreach)

BSc (Hons) in Computer Services Management (ACCS)

BSc in Computing in Information Technology Support (ACCS) - Semester 2

Certificate in CISCO Certified Network Associate - Term 1

CISCO Certified Network Professional M4

Higher Certificate in Information Technology Support - Years 1 & 2

HC in Science in Computing - Years 1 & 2 (ACCS)

MSc in Networking & Security

VMware technologies

SCHOOL OF BUSINESS

ACCA Diploma in Accounting & Business

Advanced Certificate in Agriculture (TEAGASC) (Dairying 1)

Bachelor of Business in Management - Years 2 & 3

Bachelor of Business (Hons) - Years 4 & 5

Bachelor of Arts in Human Resource Management - Years 1, 2 & 3

Bachelor of Business - Years 1 & 2

Bachelor of Business (Hons) in Accounting - Year 4

Bachelor of Business in Accounting - Year 3

Foundation Certificate in Personnel Practice

Institute Certified Public Accountants (Formation 2)

Institute Certified Public Accountants (Professional 1 & 2)

Institute of Accounting Technicians of Ireland - Years 1 & 2

Introductory Bookkeeping & Accounting

Introductory Bookkeeping & Accounting - Term 2

MBS (Taught)

PIM Italian

SCHOOL OF HUMANITIES

Department of Social & General Studies

Bachelor of Arts (Hons) in Counselling and Psychotherapy - Years 3 & 4

Higher Certificate in Arts in Counselling Skills

MA Integrative Psychotherapy

One Year Certificate in Counselling Skills

Department of Tourism & Hospitality Studies

Bartenders Training Course

Practical Bakery Techniques

EXTENDED CAMPUS

Recognition of Prior Learning (RPL)

SCHOOL OF BUILDING & CIVIL ENGINEERING**Department of Civil, Structural & Environmental Engineering**

Bachelor of Engineering in Civil Engineering - Years 2 & 3 (ACCS)
Civil Level 7 Modules

Departments of Construction & Architecture

Safe Pass

SCHOOL OF MECHANICAL, ELECTRICAL & PROCESS ENGINEERING**Department of Process, Energy & Transport Engineering**

Bachelor of Science in Good Manufacturing Practice & Technology
Higher Certificate in Science in Good Manufacturing Practice & Technology - Year 1
New Opportunities for Women (NOW) FT 35W
Sustainable Energy Systems – Year 1
Energy Management
Sustainable Energy in Buildings
Wave Energy
Wind Generation S3

Department of Mechanical, Biomedical & Manufacturing Engineering

Bachelor of Science (Hons) in Advanced Manufacturing Technology
Bachelor of Engineering in Mechanical Engineering
Bachelor of Science (Hons) in Process Plant Technology
Diploma in Mechanical Engineering Systems
C&G Mechatronics (Day S1)
C&G Mechatronics (Night)
Certified Manufacturing Engineer
Project Management Term 1
Robotics
SCADA & Automation
Six Sigma Green Belt S2/S3
3D Design (Short Course) FT Students
Advanced Maths
Advanced Technician Diploma in Mechanical Engineering

Centre of Craft Studies

Coded Welding ASME EN287
Coded Welding EN28755 (Term 1)
Welding 165 Level 2
Welding 165 Level 3
Diploma in Project Management
Auto Electricity Elementary
Auto Electricity Intermediate
Auto Electricity Advanced

Department of Electrical & Electronic Engineering

AC Elementary Electrical Engineering (SEC)
DC Elementary Electrical Engineering (SEC)
Electrotech Technology
Phase 4 Electrical Science Refresher (Term 1)
Phase 6 Electrical Science Refresher (Term 1)
Programmable Logic Controllers 1

NATIONAL MARITIME COLLEGE OF IRELAND

Bachelor of Business Supply Chain & Transport Management
 Bridging Studies
 Chief Mates for Smaller Ships
 Marine Engineering Chief, Second Engineer, OOW
 OOW Engineering Preparatory Course
 Refresher Deck
 Yachtmaster Offshore (Shore Based Course)

CIT CRAWFORD COLLEGE OF ART & DESIGN

Certificate in Art Therapy
 Certificate in Arts Participation & Development
 Certificate in Fine Art Textiles
 Certificate in Group Arts Facilitation
 Drawing
 Folder Preparation (Saturday) (PPSAT)
 Life Drawing 1
 Life Drawing PT
 MA in Art & Design Education
 MA in Teaching Visual Arts for Primary & Early Years
 Photography 2
 Pottery 1 & 2
 Stained Glass
 Textiles

Department of Media Communications

Higher Diploma in Arts in Public Relations - Year 4
 Media Production
 PIM CMOD Repeat

CIT CORK SCHOOL OF MUSIC

Adult Music Literacy
 Advanced Sightsinging Classes
 Bassoon
 Bassoon Technique
 Brass Ensemble
 Cello
 Cello Technique
 Chamber Music
 Chamber Music (Dept. A)
 Choir
 Clarinet
 Clarinet Ensemble
 Composition (Class)
 Concert Band
 Conducting (Individual)
 Double Bass
 Drama
 Euphonium/Tuba
 Flute
 Flute Class
 Flute/Band Ensemble
 Guitar
 Guitar (Class)
 Harp
 Harpsichord
 Horn
 Horn Ensemble

Irish Trad Group
 Jazz Big Band
 Jazz Improvisation
 Jazz Piano
 Junior Bands
 Junior Certificate
 Junior Guitar Ensemble
 Keyboard Skills
 Leaving Certificate
 Musicianship
 Oboe
 Opera Studio
 Orchestra
 Organ
 Organ Keyboard Skills
 Percussion
 Percussion Ensemble
 Piano
 Piano 2nd Instrument (GRP)
 Piano Duets
 Piano Ensemble
 Recorder
 Recorder Ensemble
 Saxophone
 Saxophone Ensemble
 Senior Guitar Ensemble
 Sight-Singing Classes
 Singing
 Speech (Class)
 Speech (Individual)
 Speech Therapy
 Suzuki Bass
 Suzuki Violin
 Theory (Individual)
 Trombone
 Trumpet
 Uilleann Pipes
 Viola
 Viola Technique
 Violin
 Violin Technique
 Vocal Ensemble
 Vocal Support Studies
 Wind Ensemble
 Windwise
 Woodwind Ensemble
 Youth Music Project
 Youth Music Project (Dept. C)

3.7 Validating Authorities

The Higher Education and Training Awards Council (HETAC) was established on the 11th June, 2001. This Council, together with the Further Education and Training Awards Council (FETAC) and the National Qualifications Authority of Ireland (NQAI) form part of a radical legislative and practical overhaul arising from the Qualifications (Education and Training) Act 1999.

Higher Certificate, Ordinary Bachelor Degrees and Honours Degrees

The implementation of the National Framework of Qualification (NFQ) by the NQAI in October 2003, in conjunction with HETAC, resulted in the conversion of National Certificates being revalidated as Higher Certificates at Level 6 of the Framework, National Diplomas being revalidated as Ordinary Bachelor Degrees at Level 7 and Degrees being revalidated as Honours Degrees at Level 8.

Higher Education & Training Awards Council

HETAC is the legal successor to the National Council for Educational Awards (NCEA), but its powers are significantly different. HETAC is essentially an awarding and quality assurance body. Many functions of the NCEA have been delegated to the Institutes of Technology, for example, appointment of external examiners.

HETAC's main functions include:

- Setting standards for higher education and training awards;
- Validation of higher education and training programmes;
- Monitoring of institutional quality assurance procedures;
- Delegation of awarding powers to recognised institutions;
- Ensuring that student assessment procedures are fair and consistent.

Professional Bodies

Many professional bodies in engineering, business and science offer their own examinations leading to professional membership and the standard of their final examinations is usually that of honours degree. In addition, holders of Higher Certificates, Ordinary Bachelor Degrees and Honours Degrees may be exempt from appropriate levels of examination of relevant professional bodies following accreditation of the relevant courses by the professional bodies.

Department of Education & Skills

Technological Certificates

The Institute offers technological certificate courses for part-time students through evening courses. These certificates are validated by the Department of Education & Skills.

These courses are provided in the following areas, Building, Automobile Engineering, Mechanical Engineering, and Electrical Engineering.

Apprentices

The Institute offers courses at Phase 4 and Phase 6 levels during apprenticeship. Success at the examinations leads to the award of the Advanced Certificate awarded by FETAC.

These courses are provided in the areas of Welding & Metal Fabrication, Building, Automobile Engineering, Mechanical Engineering, Electrical Engineering, and Refrigeration.

Further Education & Training Awards Council (FETAC)

The Institute also provides part-time and block-release courses in the Tourism, Hospitality and Catering areas. These courses are validated by FETAC.

City & Guilds of London Institute (CGLI)

Many of the part-time courses conducted by the Institute in the Departments of Manufacturing, Biomedical & Facilities Engineering, Electrical Engineering, and Mechanical Engineering are also validated by the City & Guilds of London Institute as the courses are designed to meet the required content and standards.

Additional Recognition of CIT Courses

The Institute has obtained additional recognition for its courses by professional bodies, in order to enhance the professional standing of graduates and to provide them with the fullest possible advantages for employment and career development. The main recognitions obtained are:

Bachelor of Science (Hons) in Applied Physics & Instrumentation

- Institute of Physics
- The Teaching Council

Bachelor of Science (Hons) in Biomedical Science

- Institute of Biomedical Sciences
- Academy of Medical Laboratory Science

Bachelor of Science (Hons) in Analytical Chemistry with Quality Assurance

- Institute of Chemistry of Ireland
- Royal Society of Chemistry
- The Teaching Council

Bachelor of Science (Hons) in Applied Biosciences

- The Teaching Council

Bachelor of Engineering (Hons) in Structural Engineering

- Engineers Ireland (Chartered*)
- FEANI
- Washington Accord

Bachelor of Engineering (Hons) in Mechanical Engineering

- Engineers Ireland (Chartered*)
- FEANI
- Washington Accord

Bachelor of Engineering (Hons) in Chemical and Biopharmaceutical Engineering

- Engineers Ireland (Chartered*)
- FEANI
- Washington Accord
- Institution of Chemical Engineers (ICHEME)

Bachelor of Science (Hons) in Architectural Technology

- Chartered Institute of Building

Higher Certificates/Bachelor Degrees in Electrical Engineering, Building Services Engineering

- Engineers Ireland (Associate*)
- Chartered Institution of Building Services Engineers

Higher Certificates/Bachelor Degrees in Electrical/Electronic/Mechanical/Manufacturing Engineering

- Engineers Ireland (Associate*)

Bachelor of Science (Hons)/Bachelor of Science in Nautical Science

- Department of Transport

(A number of short courses embedded in these programmes are accredited for Certificate of Competency purposes)

Bachelor of Engineering in Marine & Plant Engineering

- Engineers Ireland (Associate*)
- Department of Transport

(A number of short courses embedded in the programme are accredited for Certificate of Competency purposes)

Bachelor of Music (Hons) (Pedagogic Studies: Suzuki String Methodology)

- European Suzuki Association (ESA)

Bachelor of Business (Hons)/Bachelor of Business in Accounting/Higher Certificate in Business/Higher Certificate in Accounting

- Chartered Accountants Ireland
- Chartered Institute of Management Accountants (CIMA)
- Institute of Certified Public Accountants in Ireland (ICPAI)
- Association of Chartered Certified Accountants (ACCA)

(Exemptions from a variety of requirements of these professional bodies)

Bachelor of Business (Hons)/Bachelor of Business in Marketing/Higher Certificate in Business

- Marketing Institute

(Exemptions are granted depending on specialism and level)

Bachelor of Arts in Human Resource Management

- Chartered Institute of Personnel & Development (CIPD)

Bachelor of Business in Hospitality Management

- Irish Hospitality Institute

Bachelor of Science (Hons) in Quantity Surveying

- Chartered Institute of Building
- Society of Chartered Surveyors

Bachelor of Science (Hons) in Construction Management

- Chartered Institute of Building

Bachelor of Arts in Design Communication

- Institute of Designers of Ireland

Bachelor of Arts (Hons) in Visual Communication

- The Teaching Council
- Institute of Designers of Ireland

Bachelor of Arts (Hons) Ceramic Design

- Institute of Designers of Ireland
- Crafts Council of Ireland
- Teaching Council

Bachelor of Arts (Hons) Fine Art

- Visual Artists Ireland
- The Teaching Council

Higher Diploma in Arts for Art and Design Teachers

- Recognised and Accredited by the Teaching Council

Master of Arts in Art Therapy

- Irish Association of Art Therapists
- European Association of Art Therapists

* Eligible following appropriate experience

Accreditation of CIT Engineering Honours Degrees

- Bachelor of Engineering (Hons) in Chemical & Process Engineering
- Bachelor of Engineering (Hons) in Structural Engineering
- Bachelor of Engineering (Hons) in Mechanical Engineering

These honours degrees are fully accredited by Engineers Ireland and graduates are eligible for corporate membership with Chartered Engineer (CEng) status following appropriate experience.

International Recognition

European Engineer: These honours degrees fulfil the Fédération Européenne d'Associations Nationales d'Ingenieurs (FEANI) Group One registration requirements and thus meet the academic requirements for the award of the title European Engineer (EurIng). Such engineers may practice in most European countries.

Washington Accord: As these degrees are accredited by Engineers Ireland (the Irish accreditation body) they also fulfil the requirements for mutual recognition by the national accreditation bodies that have signed the Washington Accord, i.e. USA, UK, Canada, Australia, New Zealand, South Africa, Hong Kong, and Ireland.

3.8 External Examiners

Department of Accounting & Information Systems

Mr Brian Hutchinson

- Bachelor of Business in Accounting
- Bachelor of Business (Hons) in Accounting
- Bachelor of Business(Hons) in Information Systems
- Bachelor of Business in Business Administration
- Bachelor of Science in Agriculture

Dr Margaret Norton

- Bachelor of Science in Horticulture

Mr Keith McManus

- Bachelor of Business in Business Administration
- Bachelor of Business in Accounting

Dr Philip O'Regan

- Bachelor of Business in Accounting
- Bachelor of Business (Hons) in Accounting
- Bachelor of Business (Hons) in Information Systems

Dr Ann Torres

- Bachelor of Business in Business Administration
- Bachelor of Business in Accounting
- Bachelor of Business (Hons) in Accounting
- Bachelor of Business (Hons) in Information Systems

Dr Larry Stapleton

- Bachelor of Business (Hons) in Business Information Systems
- Master of Business in Information Systems

Dr Larry Elwood

- Master of Business in Accounting & Information Systems

Mr Desmond Gibney

- Bachelor of Business (Hons) in Accounting
- Bachelor of Business in Accounting
- Bachelor of Business in Business Administration

Mr John Mulhern

- Bachelor of Science in Agriculture
- Bachelor of Science in Horticulture

Prof. Jimmy Hill

- Module extern for Modules in Entrepreneurship & Innovation

Department of Applied Physics & Instrumentation

Dr Siobhán Daly

- Bachelor of Science in Applied Physics & Instrumentation
- Bachelor of Science (Hons) in Applied Physics & Instrumentation
- Bachelor of Science (Hons) in Instrument Engineering
- Bachelor of Science (Hons) in Environmental Science & Sustainable Technology
- Module Extern - (Modules coordinated by Department)

Mr William Power

- Higher Certificate in Industrial Measurement & Control
- Bachelor of Science in Applied Physics & Instrumentation
- Bachelor of Science (Hons) in Applied Physics & Instrumentation
- Bachelor of Science (Hons) in Instrument Engineering
- Bachelor of Science (Hons) in Computerised Instrument Systems

Department of Architecture

Prof. Michael McGarry

- Bachelor of Science (Hons) in Architecture

Prof. Mark Dorrian

- Bachelor of Science (Hons) in Architecture
- Master of Architecture

Mr Cathal O'Boyle

- Bachelor of Science in Architectural Technology
- Bachelor of Science (Hons) in Architectural Technology

Ms Denise Dillon

- Bachelor of Science in Architectural Technology
- Bachelor of Science (Hons) in Architectural Technology

Prof. Lorraine Farrelly

- Bachelor of Science in Interior Architecture
- Bachelor of Science (Hons) in Interior Architecture

Ms Samantha Mayes

- Bachelor of Science in Interior Architecture
- Bachelor of Science (Hons) in Interior Architecture

Department of Biological Sciences

Dr Don Faller

- Bachelor of Science in Food Science & Technology
- Bachelor of Science in Applied Biosciences & Biotechnology

Dr Jakki Cooney

- Master of Science in Computational Biology

Mr Pádraig O'Sullivan

- Bachelor of Science in Biomedical Science

Prof. Richard O'Kennedy

- Bachelor of Science (Hons) in Biomedical Science

Dr Alison Gallagher

- Bachelor of Science (Hons) in Nutrition and Health Science

Dr Jeremy Bird

- Bachelor of Science (Hons) in Pharmaceutical Biotechnology

Dr Anne Nelson

- Bachelor of Science in Food Science and Technology
- Bachelor of Science in Cell and Molecular Biology
- Bachelor of Science (Honours) in Applied Biosciences

Dr Julia Green

- Bachelor of Science (Hons) in Herbal Science

CIT Crawford College of Art & Design

Mr John Meaney

- MA in Art & Design Education
- MA in Teaching Visual Arts for Primary and Early Years Education

Ms Shan Samuel-Thomas

- MA in Art & Design Education
- MA in Teaching Visual Arts for Primary and Early Years Education
- Higher Diploma in Arts for Art and Design Teachers

Ms Denise MacGiollari
 • MA in Art Therapy

Ms Eileen McCourt
 • MA in Art Therapy

Mr Declan Long
 • MA in Art and Process

Dr Roisín Kennedy
 • Bachelor of Arts in Fine Art
 • Bachelor of Arts (Hons) in Fine Art

Prof. Terry Shave
 • Bachelor of Arts in Fine Art

Ms Anna O'Sullivan
 • Bachelor of Arts (Hons) in Fine Art

Mr Ronan McCrea
 • Bachelor of Arts (Hons) in Fine Art

Ms Breda Lynch
 • Bachelor of Arts in Fine Art
 • Bachelor of Arts (Hons) in Fine Art

Ms Anna Moran
 • Bachelor of Arts in Ceramic Design

Ms Theresa McKenna
 • Bachelor of Arts in Fine Art

Mr Leslie Reed
 • Bachelor of Arts in Ceramic Design

Mr Brian Connolly
 • MA Art & Process

Mr Mark O'Kelly
 • BA (Hons) in Fine Art

Department of Chemistry

Dr Claire Lennon
 • Bachelor of Science in Analytical and Pharmaceutical Chemistry
 • Bachelor of Science (Hons) in Analytical Chemistry with Quality Assurance

Ms Jill Ahern
 • Bachelor of Science in Analytical and Pharmaceutical Chemistry
 • Bachelor of Science (Hons) in Analytical Chemistry with Quality Assurance

Dr Carmel Roche
 • Bachelor of Science in Analytical and Pharmaceutical Chemistry
 • Bachelor of Science (Hons) in Analytical Chemistry with Quality Assurance

Department of Civil, Structural & Environmental Engineering

Ms Maria Kyne (O'Shaughnessy)
 • Higher Certificate in Engineering in Civil Engineering
 • Bachelor of Engineering in Civil Engineering

Dr Mark Richardson
 • Bachelor of Engineering (Hons) in Structural Engineering
 • Common Entry Engineering - Level 8

Mr John O'Mahony
 • Bachelor of Engineering (Hons) in Structural Engineering
 • Common Entry Engineering - Level 8

Mr John Murphy
 • Higher Certificate in Engineering in Civil Engineering
 • Bachelor of Engineering in Civil Engineering

Mr Pearse Sutton
 • MEng in Structural Engineering

Dr Michael Creed
 • MEng in Structural Engineering

Mr PJ Rudden
 • MEng in Civil Engineering in Environment and Energy
 • PGDip in Civil Engineering in Environment and Energy

Prof. Pádraic O'Donoghue
 • MEng in Civil Engineering in Environment and Energy
 • PGDip in Civil Engineering in Environment and Energy

Department of Computing

Dr Kevin Curran
 • Bachelor of Science (Hons) in Software Development & Computer Networking

Ms Deirdre Lawless
 • Bachelor of Science (Hons) in Software Development

Ms Ann Meagher
 • Bachelor of Science in Information Technology Support
 • Bachelor of Science (Hons) in IT Management

Mr Mark Deegan
 • MSc in Networking & Security

Mr Peter Given
 • Bachelor of Science in Computing
 • Higher Certificate in Science in Computing

Dr Thomas Dowling
 • MSc in Software Development

Mr Aidan F Quilligan
 • Bachelor of Science (Hons) in Software Development

Ms Erica Gill
 • Bachelor of Science (Hons) in Software Development & Computer Networking

Dr David White
 • Bachelor of Science in Cloud Computing
 • MSc in Cloud Computing

Department of Construction

Mr Noel Dempsey
 • Bachelor of Science in Construction Management
 • Bachelor of Science (Hons) in Construction Management

Mr Tim Cahalane

- Bachelor of Science in Quantity Surveying
- Bachelor of Science (Hons) in Quantity Surveying

Ms Rita Scully

- Bachelor of Science in Quantity Surveying
- Bachelor of Science (Hons) in Quantity Surveying

Mr Gerry O'Rourke

- Bachelor of Science (Hons) in Construction Management
- Bachelor of Science in Construction Management

Department of Continuing Education

Ms Linda Clifford

- Bachelor of Arts in Human Resource Management
- Certificate in Human Resource Management & Development

Ms Hazel Shanahan

- Bachelor of Arts in Human Resource Management

Dr Pio Fenton

- Bachelor of Business in Management
- Bachelor of Arts in Human Resource Management

Prof. Aidan Daly

- Masters of Business (Taught)

Dr Eileen Reedy

- Bachelor of Arts in Human Resource Management
- Bachelor of Science in Agriculture
- Bachelor of Science in Horticulture
- Bachelor of Business in Business Administration
- Bachelor of Business (Hons) In Accounting
- Bachelor of Business (Hons) in information Systems

Mr Conor Foley

- Bachelor of Business in Management

Centre of Craft Studies

Mr Michael McKeon

- Certificate in Craft Transferable Studies

DEIS

Ms Margaret Creed

- Bachelor of Arts in Community Development
- Bachelor of Arts (Hons) in Community Development

Dr Sandra McAvoy

- Bachelor of Arts in Community Development
- Bachelor of Arts (Hons) in Community Development

Department of Electrical and Electronic Engineering

Dr Andrew Donnellan

- Bachelor of Engineering (Hons) in Electronic Engineering
- Bachelor of Engineering in Electronic Engineering

Dr Donal Heffernan

- MEng in Embedded Systems Engineering

Mr Ian Kennedy

- Bachelor of Engineering (Hons) in Electronic Systems Engineering
- Bachelor of Engineering in Electronic Engineering

Mr Colm Murray

- Bachelor of Engineering in Electrical Engineering
- Bachelor of Engineering (Hons) in Electrical Power Systems

Mr Daniel O'Connell

- MEng in Embedded Systems Engineering
- MEng in Communications Engineering

Mr Mark Kelleher

- MEng in Embedded Systems Engineering
- MEng in Communications Engineering

Ms Mary Desmond

- Bachelor of Engineering in Electrical Engineering
- Bachelor of Engineering (Hons) in Electrical Power Systems

Department of Management & Marketing

Mr Keith McManus

- Bachelor of Business
- Higher Certificate in Business
- Bachelor of Business in Management

Ms Kristin Brogan

- German - Module Extern

Dr Ann Torres

- Bachelor of Business and the Higher Certificate in Business
- Bachelor of Business (Hons) in Marketing
- Bachelor of Business (Hons)

Mr Donald O'Driscoll

- Bachelor of Business

Mr Cyril Gavaghan

- Bachelor of Business
- Bachelor of Business (Hons)
- Bachelor of Business in Marketing
- Bachelor of Business (Hons) in Marketing

Ms Sharon Cavanagh

- Spanish Module - Bachelor of Business & Marine Courses

Mr Finian O'Driscoll

- Bachelor of Business
- Bachelor of Business (Hons)
- Bachelor of Business in Marketing
- Higher Certificate in Business

Dr Eamon Maher

- French Module in all Programmes

Mr Conor Foley

- Bachelor of Business in Business & Management

Department of Mathematics

Dr Pádraig Kirwan

- Module Extern - Maths and Stats

Mr James Reilly

- Module Extern - Maths and Stats

Dr Paul Robinson

- Mathematics Module in all Programmes

Department of Mechanical, Biomedical & Manufacturing Engineering

Dr Eamonn Ahearne

- Bachelor of Engineering in Mechanical Engineering
- Certificate in Automation and Control Systems - Level 7

Mr John J Hayes

- Bachelor of Engineering (Hons) in Mechanical Engineering

Mr Michael McKeon

- Bachelor of Engineering in Mechanical Engineering

Mr Gary Clerkin

- Higher Certificate in Biomedical Engineering
- Bachelor of Engineering in Biomedical Engineering
- Bachelor of Engineering (Hons) in Biomedical Engineering
- Certificate in Product Design (LMA, Level 8)
- Certificate in Engineering Technology (LMA)

Mr Kah Leong

- Certificate in Lean Six Sigma Black Belt (Level 8)
- Certificate in Biomedical Device Manufacture

Mr Alan Bateman

- Certificate in Automation and Control Systems (Level 7)

Mr Ger Reilly

- Bachelor of Science (Hons) in Advanced Manufacturing Technology
- Certificate in Automation & Control (Special Purpose Award)
- Bachelor of Science (Hons) in Process Plant Technology

Mr Kevin McCarthy

- Bachelor of Science (Hons) in Advanced Manufacturing Technology
- Bachelor of Science (Hons) in Process Plant Technology

Prof. Seán Leen

- Bachelor of Engineering (Hons) in Mechanical Engineering

Mr Conor Buckley

- Bachelor of Engineering (Hons) in Sustainable Energy

Dr Laoise McNamara

- Bachelor of Engineering (Hons) in Biomedical Engineering
- Bachelor of Engineering in Biomedical Engineering

Dr Brian Lee

- Certificate in Lean Six Sigma Green Belt

Department of Media Communications

Ms Clare Bell

- Bachelor of Arts (Hons) in Visual Communications

Ms Carmel Maher

- Bachelor of Arts (Hons) in Visual Communications

Dr Francis X Carty

- Master of Arts in Public Relations with New Media

Mr David Joyce

- Bachelor of Arts in Design Communications
- Bachelor of Arts (Hons) in Visual Communications

Mr Kieran Nolan

- Bachelor of Arts (Hons) in Multimedia

Ms Pauline Madigan

- Higher Diploma in Public Relations

Ms Denise McEvoy

- Bachelor of Arts (Hons) in Multimedia

Ms Anita Heavey

- Bachelor of Arts in Design Communications
- Bachelor of Arts (Hons) in Visual Communications

Ms Mary Dundon

- MA in Journalism with New Media

Ms Wendy Williams

- Bachelor of Arts (Hons) in Visual Communications

NATIONAL MARITIME COLLEGE OF IRELAND

Dr Michael Hartnett

- Bachelor of Engineering in Marine & Plant Engineering

Mr Michael O'Connor

- Bachelor of Engineering in Marine & Plant Engineering

Mr Patrick Moriarty

- Degree in Leadership, Management and Naval Studies

Capt. Aedan Jameson

- Bachelor of Science in Nautical Science
- Bachelor of Science (Hons) in Nautical Science

Mr Aidan MacSweeney

- Bachelor of Engineering in Marine and Plant Engineering
- Bachelor of Engineering in Electro Technology

Capt. Thomas O'Callaghan

- Bachelor of Science in Nautical Studies
- Bachelor of Science (Hons) in Nautical Studies
- Higher Certificate in Science in Nautical Studies

Capt. Paul Roche

- Higher Certificate in Science in Nautical Studies

Comdt. Pádraig Macklin

- Higher Certificate in Naval Leadership and Management

Comdt. Ray O'Lehan

- Degree in Naval Leadership and Management

Mr Walter Carpenter

- Bachelor of Business in Supply Chain & Transport Management

Capt. Paul O'Regan

- Higher Certificate in Science in Nautical Studies

Mr Colm McGinley

- Higher Certificate in Naval Leadership and Management

Department of Process, Energy and Transport Engineering

Dr Ben Costelloe

- Higher Certificate in Building Services Engineering
- Bachelor of Engineering in Building Services Engineering

Mr Robert Guy

- Bachelor of Science (Hons) in Transport Management
- Bachelor of Science in Transport Management & Technology

Mr Michael Doheny

- Bachelor of Science (Hons) in Transport Management
- Bachelor of Science in Transport Management & Technology

Mr Richard Linger

- Certificate in Introduction to Sustainable Energy (Level 6)
- Certificate in Sustainable Energy (Level 7)
- Certificate in Sustainable Energy (LMA)

Dr Gervase McAleavey

- Bachelor of Engineering (Hons) in Chemical & Biopharmaceutical Engineering

Dr Stephen Fitzpatrick

- Bachelor of Science in Good Manufacturing Practice & Technology
- Higher Certificate in Science in Good Manufacturing Practice & Technology

Mr Con Leddy

- Higher Certificate in Building Services Engineering
- Bachelor of Engineering in Building Services Engineering
- Bachelor of Engineering (Hons) in Building Energy Systems

Dr Ben Costelloe

- Bachelor of Engineering (Hons) in Building Energy Systems

Mr Paul Kenny

- Bachelor of Engineering (Hons) in Sustainable Energy

Ms Bernadette Whelan

- Higher Certificate in Science in Good Manufacturing Practice & Technology
- Bachelor of Science in Good Manufacturing Practice & Technology

Mr Richard Cadbury

- Bachelor of Engineering (Hons) in Chemical & Biopharmaceutical Engineering

CIT CORK SCHOOL OF MUSIC

Ms Mia Cooper

- BMus (Hons) Degree

Prof. Michael Peter Alcorn

- Taught MA Music & Technology

Dr Gareth Cox

- BMus (Academic Studies)

Mr Michael D'Arcy

- BMus (Performance Studies)

Department of Social & General Studies

Mr John McHugh

- Bachelor of Arts (Hons) in Social Care
- Bachelor of Arts in Social Care

Dr Maurice Devlin

- Bachelor of Arts (Hons) in Social Care
- Bachelor of Arts in Social Care

Ms Denise Lyons

- Bachelor of Arts (Hons) in Social Care
- Bachelor of Arts in Social Care

Mr Andrew Denton

- Bachelor of Arts (Hons) in Social Care
- Bachelor of Arts Social Care

Ms Suzanne Kennedy

- Bachelor of Business in Recreation & Leisure Management

Mr Conor Kelleher

- Bachelor of Business in Recreation & Leisure Management

Dr Orla O'Donovan

- Bachelor of Arts in Early Years Education
- Bachelor of Arts in Social Care

Dr Ciaran McCullagh

- Bachelor of Arts in Social Care

Mr Ger Phillips

- Bachelor of Arts in Social Care

Dr Jacqui O'Riordan

- Bachelor of Arts in Early Years Education

Ms Kathryn O'Riordan

- Bachelor of Arts in Early Years Education

Dr Ann Marie Halpenny

- Bachelor of Arts (Hons) in Social Care
- Bachelor of Arts in Social Care

Ms Eilis Duggan

- One Year Certificate in Counselling Skills
- Higher Certificate in Counselling Skills
- Bachelor of Arts (Hons) in Counselling & Psychotherapy
- Bachelor of Arts in Counselling & Psychotherapy
- Master of Arts in Integrative Psychotherapy

Dr Eilionoir Flynn

- Bachelor of Arts in Social Care
- Bachelor of Arts (Hons) in Social Care
- Bachelor of Arts in Early Years Education

Mr Tom Ryan

- One Year Certificate in Counselling Skills
- Higher Certificate in Counselling Skills
- Bachelor of Arts (Hons) in Counselling and Psychotherapy

Ms Marie O'Dwyer

- Bachelor of Business in Recreation and Leisure Management

Teaching & Learning Unit

Mr Neil Quinlan

- Certificate in Teaching & Learning in Higher Education

Dr John Dallat

- Certificate in Teaching & Learning in Higher Education

Department of Tourism & Hospitality Studies

Dr James Hanrahan

- Bachelor of Business in Tourism
- Bachelor of Business (Hons) in Tourism

Dr Catriona Murphy

- Bachelor of Business in Tourism

Mr Micheal Stapleton

- Bachelor of Business in Hospitality Management
- Bachelor of Business (Hons) in Hospitality Management

Ms Dymphna Scanlon

- Bachelor of Business in Hospitality Management

Mr Michael Conway

- Higher Certificate in Culinary Studies
- Advanced Certificate in Professional Cookery Accelerated and Day Release

Mr Colin Gilligan

- Higher Certificate in Hospitality Studies

Mr Frank O'Connor

- Bachelor of Business in Culinary Arts

Mr Mark Murphy

- Bachelor of Business in Culinary Arts

Mr Martin Neville

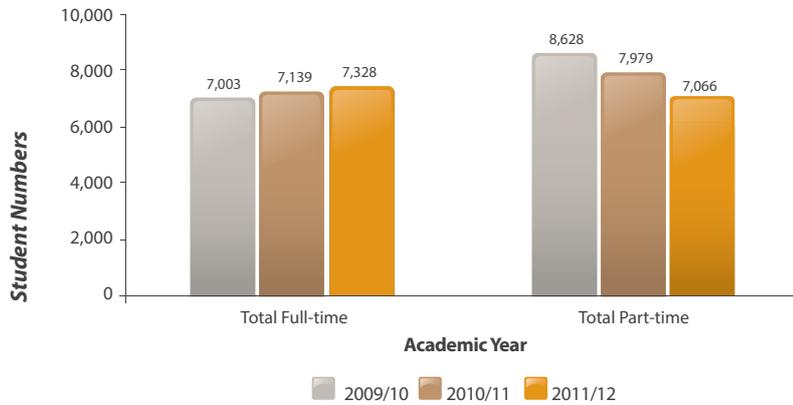
- Bachelor of Business in Bar Management
- Bachelor of Business in Culinary Arts

3.9 Student Statistics

Enrolment Statistics for 2011/12 and the two previous years

	2009/10	2010/11	2011/12
Total Full-time	7,003	7,139	7,328
Total Part-time	<u>8,628</u>	<u>7,979</u>	<u>7,066</u>
OVERALL TOTAL	<u>15,631</u>	<u>15,118</u>	<u>14,394</u>

Enrolment Statistics for 2011/12 and the two previous years



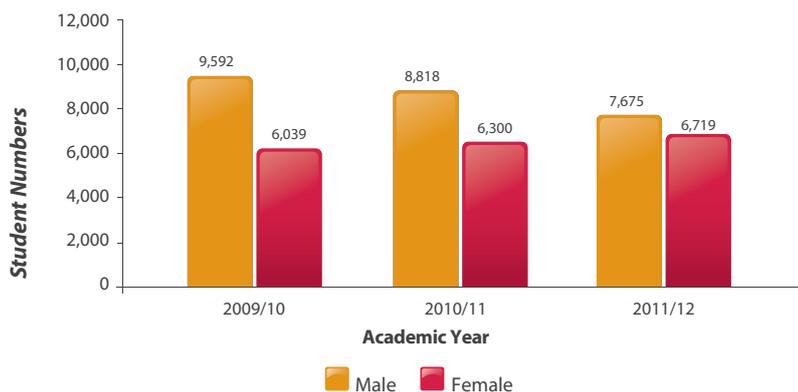
Enrolments by Gender & Attendance Mode for 2011/12

	Male	Female	Total
FULL-TIME			
Non-Mature	3,800	2,285	6,085
Mature	776	467	1,243
TOTAL	4,576	2,752	7,328
PART-TIME			
Fáilte Ireland	48	38	86
Craft Apprentices	1,031	0	1,031
Evening Courses	2,020	3,929	5,949
TOTAL	<u>3,099</u>	<u>3,967</u>	<u>7,066</u>
OVERALL TOTAL	<u>7,675</u>	<u>6,719</u>	<u>14,394</u>

Enrolment Statistics by Gender for three academic years

	2009/10	2010/11	2011/12
Male	9,592	8,818	7,675
Female	6,039	6,300	6,719
Total	15,631	15,118	14,394

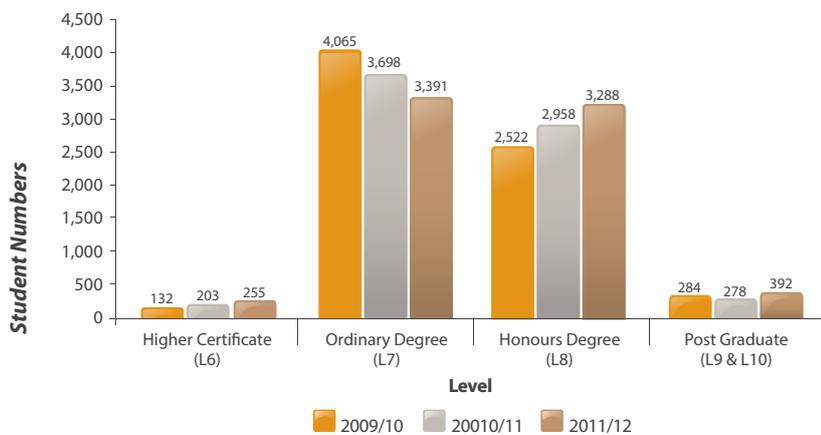
Enrolment Statistics by Gender for three academic years



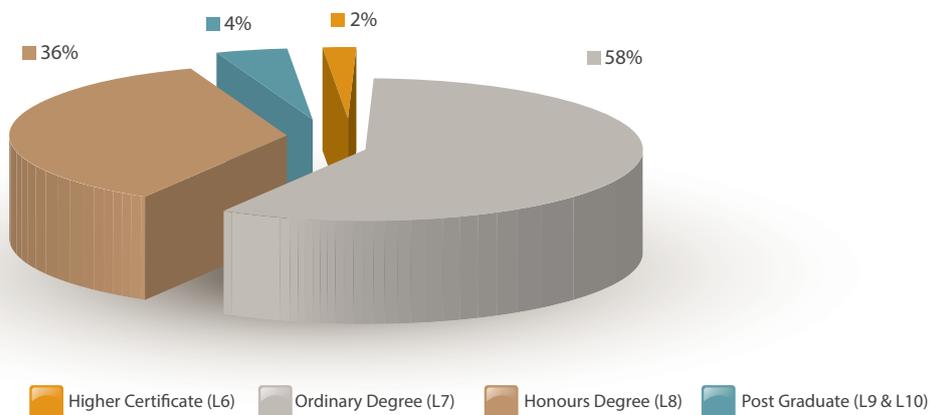
Analysis of Whole-Time Higher Certificate, Ordinary Degree, Honours Degree and Postgraduate Student Numbers for three Academic Years 2009-2012

	Higher Certificate (L6)	Ordinary Degree (L7)	Honours Degree (L8)	Post Graduate (L9 & L10)	Totals
2009/10	132	4,065	2,522	284	7,003
2010/11	203	3,698	2,958	278	7,137
2011/12	255	3,391	3,288	392	7,326

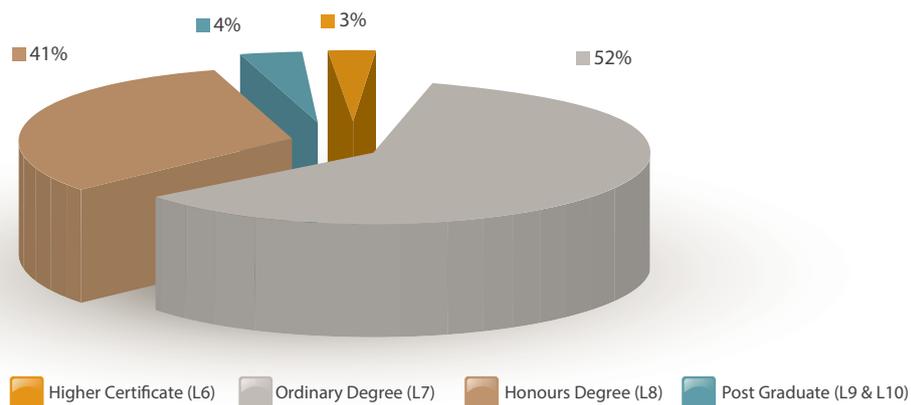
Whole-Time Student Numbers for three Academic Years 2009-2012



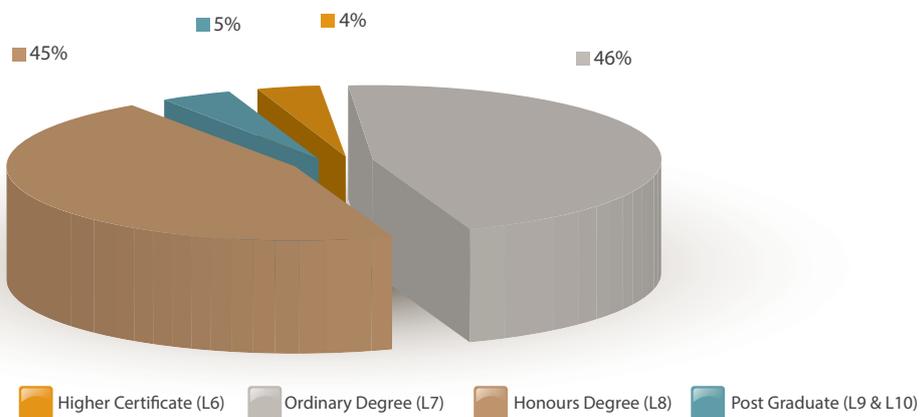
Whole-Time Third Level Courses 2009/10



Whole-Time Third Level Courses 2010/11



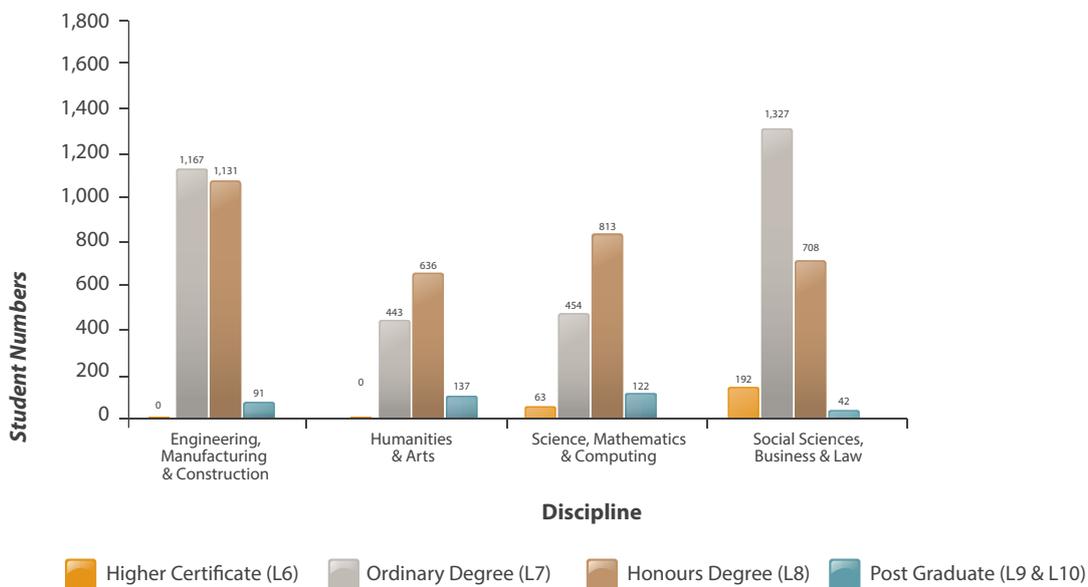
Whole-Time Third Level Courses 2011/12



Breakdown of Whole-Time Higher Certificate, Ordinary Degree, Honours Degree & Postgraduate by Discipline for 2011/12

	Higher Certificate (L6)	Ordinary Degree (L7)	Honours Degree (L8)	Post Graduate (L9 & L10)
Engineering, Manufacturing and Construction	0	1,167	1,131	91
Humanities and Arts	0	443	636	137
Science, Mathematics and Computing	63	454	813	122
Social Sciences, Business and Law	192	1,327	708	42
Total	255	3,391	3,288	392

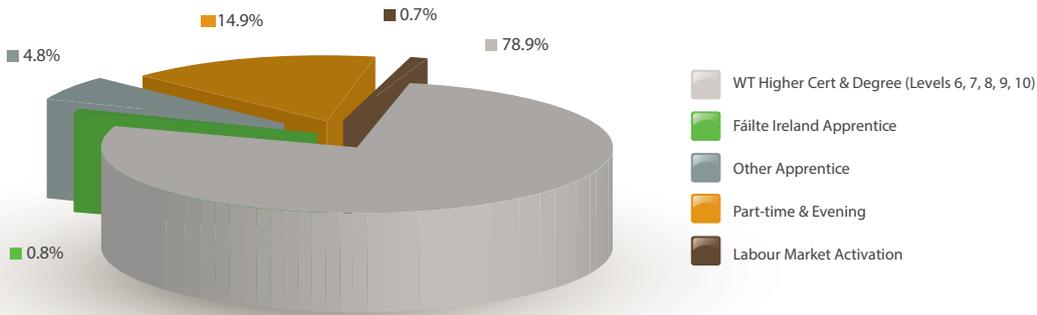
Breakdown of Whole-Time Higher Certificate, Ordinary Degree, Honours Degree & Postgraduate by Discipline for 2011/12



Student Percentage Distribution – Cork Institute of Technology for 2011/12

	Actual	WTE
WT Higher Cert & Degree (Levels 6,7,8,9,10)	7,326	7,326
Fáilte Ireland Apprentice	86	74
Other Apprentice	1,031	441
Part-time & Evening	5,759	1,385
Labour Market Activation	190	62
	<u>14,392</u>	<u>9,288</u>

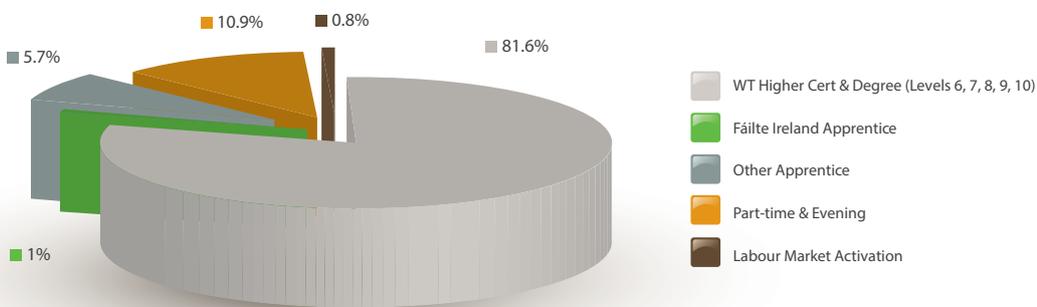
Student Percentage Distribution – Cork Institute of Technology for 2011/12



Student Percentage Distribution – Bishopstown Campus for 2011/12

	Actual	WTE
WT Higher Cert & Degree (Levels 6,7,8,9,10)	6,281	6,281
Fáilte Ireland Apprentice	86	74
Other Apprentice	1,031	441
Part-time & Evening	2,072	841
Labour Market Activation	190	62
	<u>9,660</u>	<u>7,699</u>

Student Percentage Distribution – Bishopstown Campus for 2011/12



3.10 Student Prizes

1. The Institute's Senior Hurlers recorded a historic win over Newtownshandrum to reach their first ever Cork County Senior Hurling Championship final on 11 September 2011.
2. **Rian Edman** won an award for the testing and evaluation of a Six Stroke Engine at the European SET (Science Engineering and Technology) Awards on 23 September 2011.
3. The Cork Ladies Football Team recorded a great win over Monaghan in Croke Park on Sunday 25 September 2011 to take the All-Ireland Title for the 6th time in seven years. Donoughmore's **Juliet Murphy** and Inch Rover's **Annie Walsh**, who were both graduates of Business Studies and Recreation and Leisure, played key roles in the team's win, while current 2nd year Recreation and Leisure student, Jenny Luddy, was also part of the victorious squad.
4. **Maureen O'Regan**, Culinary Arts student developed a new product "Easy Peasy Pastry" and won the Dunhill Cuisine Award for Best Commercial Food Product at the National Level Student Food Innovation Awards. The development of the product is part of the third year programme in Culinary Arts where students are required to develop new food products, and put them through a vigorous process of shelf-life testing, brand development, packaging, and labelling etc.

As part of the prize Maureen travelled to Dusseldorf to see ANUGA, the world's leading international food trade show and also to Arnhem/Wageningen in the Netherlands to visit Food Valley, the world class agri-food innovation centre and business park.

5. Two CIT Interns, **John Caplice**, Mechanical Engineering and **Marlene Clarke**, Chemical and Biopharmaceutical Engineering won the Abbott Ireland Internship Awards 2011. Thirty-nine Abbott Ireland Intern students nationwide were under consideration for this award but John and Marlene completed exceptional work with Abbott Ireland.

Abbott formally presented the awards to the CIT Interns at the Abbott Stand at the CIT Careers Fair on Tuesday 4 October 2011.

6. The 41st WorldSkills 2011 took place in London from 5 to 8 October 2011. The Irish Team (consisting of 11 craft persons) were selected from the winners of the National Skills Competition Finals 2011 hosted by CIT, and finished a commendable 6th overall in the world, winning 3 Gold Medals and 5 Medallions for Excellence. **Kieran Doherty** who did his apprentice training at CIT won a Gold medal for Ireland in Electrical Installations.
7. Classical Guitarist, **David Keating**, a 4th Year Music Degree student in the CIT Cork School of Music achieved third place in the Final of the Irish Freemasons Young Musician of the Year Competition which was held in Dublin on Saturday 8 October 2011. David was also awarded the John Vallery Memorial Prize for the Best Performance by a String Player in the competition. He was the only finalist from outside of Dublin.
8. BEng (Hons) in Structural Engineering 2011 graduate, **Gerry Murphy** won the "Institution of Structural Engineers Student Prize". The competition presentations were held on Tuesday 11 October 2011 in DIT Bolton Street, Dublin. Gerry's project was entitled "Experimental investigation of foundation solutions for offshore wind turbines."
9. The Faculty of Business & Humanities hosted its Annual Awards Ceremony on the evening of Thursday 20 October 2011 in the Tourism & Hospitality Building, CIT Bishopstown Campus. Thirty-one awards including the Des Roche Memorial Award were made before a large and appreciative attendance.
10. Conferring of Degrees and Other Awards for the following took place in CIT Bishopstown Campus on Friday 21 October 2011:
 - School of Business
 - School of Humanities
 - Department of Continuing Education

There were four conferring sessions and 1,160 graduands obtained their parchments.

11. Conferring of Degrees and Other Awards for the following took place in CIT Bishopstown Campus on Monday 24 October 2011:
 - School of Building & Civil Engineering
 - School of Science & Informatics
 - School of Mechanical & Process Engineering
 - School of Electrical & Electronic Engineering
 - CIT Crawford College of Art & Design

There were four conferring sessions and 1,314 graduands obtained their parchments.

12. Conferring of Degrees for the following took place in CIT Cork School of Music on Thursday 27 October 2011:
- CIT Cork School of Music
 - The Centre for Architectural Education
- 78 graduands obtained their parchments.
13. The President attended the Undergraduate Awards and the presentation of the William Butler Award to CIT Student **Rian Edman** by the President of Ireland, Ms Mary McAleese on Friday 28 October 2011.
14. The CIT Rowing Club travelled to Trinity to compete in the Rowing Ireland Indoor Championships in November. The Fresher teams returned victorious in the 2000m relay event coming in 1st and 2nd place for the Institute.
15. The Institute's Mens Hockey team won the Irish Universities Hockey Association, "Mauritius Plate" at the Intervarsities in Galway on 1 November 2011, beating Trinity College Dublin 4 – 3.
16. The CIT Sailing Team claimed the Bronze Medal at La-Trinité- sur -Mer in the World Student Yachting Championships. The Team consisted of:
- **George Kenefick** (Business Studies Graduate)
 - **Joe Bruen** (Structural Engineering Graduate)
 - **Donagh Good** (3rd Year Business Studies)
 - **Kevin Goulding** (3rd Year Chemical & Bio-pharmaceutical Engineering)
 - **Maria Connolly** (2nd Year Information Technology Management)
 - **Gemma Twohig** (1st Year Social Care)
 - **Judy O'Brien** (Year Out)
 - **Aidan McLaverty** (non CIT Team member)
- The CIT Sailing Club has performed consistently well on the world stage finishing 2nd in 2007, 1st place in 2008, 4th in 2009 and now 3rd in 2011.
17. On 4 November 2011, MEETA (the Irish Maintenance and Asset Management Association), informed the Institute that CIT Student Team, **Danny Allen, Richard Childs** and **Patrick Byrnes** have been adjudged as the sole and outright winners of the MEETA Student National Award 2011 for their project on the design, development, manufacture, commissioning and testing of an automated system for the sand blasting of prosthetic shoulder stems, carried out in conjunction with Croom Precision Medical of Croom, Co Limerick.
18. The following Awards were won at the ESB Engineers Excellence Awards 2011 held in Dublin on 4 November 2011:
- The CIT Innovative Product Development Laboratories major submission "Engineering an Innovation Eco-System" has won the "Best in Class" Engineering Education 2011 award.
 - The inaugural ESB Outstanding Contribution to Engineering Award 2011 was presented to Senior Lecturer, Seán F. O'Leary, School of Mechanical Engineering.
 - The Chartered Engineer of the Year Award 2011 was presented to Louise Connolly. Louise graduated from CIT in 2004 with an Honours Degree in Mechanical Engineering and joined ESB International as a graduate engineer. Louise is currently working as a Consultant Engineer in ESBI and works on Irish and International power plant and gas pipeline projects.
19. The CIT's Ladies Volleyball team displayed tremendous skill and determination to win the "Intervarsities Plate" at the Intervarsities hosted by NUI Galway from 16 – 19 November 2011. This is a remarkable achievement given the high standard at the Intervarsities.
20. A function was held on Friday 18 November 2011 in The Restaurant, Tourism & Hospitality building to mark the achievement of Gold Medal Winner, **Kieran Doherty** and his supervisor, Michael Hourihan, Lecturer, Department of Electrical Engineering. The function took place to honour Kieran's outstanding achievement in winning a Gold Medal in Electrical Installation at the 41st WorldSkills London 2011.
21. The Faculty of Engineering & Science Awards 2011 took place in the Bishopstown Campus on 24 November 2011. This ceremony recognises and acknowledges the best students who were conferred in October 2011 from the Faculty of Engineering and Science. A total of 38 awards were presented.
22. The Cork Institute of Technology Sports Bursaries 2011/2012 Awards took place on 30 November 2011 in the Oriel House Hotel. 105 sports bursaries were presented by Sue Ronan, the Republic of Ireland Ladies Soccer Manager to the Institute's top athletes from a broad spectrum of sports. These Bursaries are awarded to students who display high achievement levels, commitment and dedication to their chosen sport and very importantly, loyalty to that sport within the Institute.
23. The winner of the "Cliona Magner Bursary" was **Andrew Cotter**, 4th year Mechanical Engineering Degree student. Andrew joins an elite group of students/graduates who are achieving great things as ambassadors for the bursary.

As a result of the death of student Cliona Magner under tragic circumstances, her parents, in November 2004, presented the Institute with a bursary of €5,000 which was to become an annual bursary in memory of their daughter.

24. A reception to honour the Cork Winners of 2011 Engineers Ireland National Excellence Awards (six of eight awards came South) and CIT National and International Engineering Award Winners took place on 20 December 2011 in the Council Room, Administration Building. The recipients were as follows:

Cork Winners of the 2011 Engineers Ireland National Excellence Awards

Award	Project Title	Recipient
Engineering Project of the Year 2011	The Mizen Head Footbridge	Noel O’Keeffe , County Engineer, Cork County Council
Best Paper/Presentation of the Year 2011	The Design and Construction of the Mizen Head Footbridge	Kieran Ruane , RPS and School of Building and Civil Engineering, CIT
Engineering News Story of the Year 2011	Irish Examiner	Mark Twomey , Irish Examiner CIT Marine Electronics Graduate
Chartered Engineer of the Year 2011		Louise Connolly , ESB1, CIT 2004 Mechanical Engineering Graduate First Female Winner of the Coveted Chartered Engineer of the Year Accolade
Inaugural Best in Class Engineering Education Award 2011	Engineering a Student Innovation Eco-System at CIT – Innovative Product Development Laboratories Multi-Disciplinary Modules	Matt Cotterell , Head of School of Mechanical and Process Engineering, CIT
ESB Outstanding Contribution to Engineering Award 2011		Senior Lecturer Seán F. O’Leary , School of Mechanical and Process Engineering, CIT

International/National Award Winning CIT Engineering Students

Double Engineers Ireland National Student Award Winners 2011

- Engineers Ireland Innovative Student of the Year
- First Place National Award Winner 2011
- MEETA, The Asset Managers Association
- First Place National Student Award Winner 2011

Daniel Allen, Patrick Byrnes and Richard Childs, Mechanical Engineering, CIT

Project Title: “Automation of Prosthetic Shoulder Stem Sandblasting Process” in conjunction with Croom Precision Medical

Irish Concrete Society Seán de Courcy Award 2011

Michael Minihane, Civil, Structural & Environmental Engineering, CIT

Project Title: “Reinforced Concrete Beam-Column Connections”

Institution of Structural Engineers Student Prize 2011

Gerry Murphy, Civil, Structural & Environmental Engineering, CIT

Project Title: “Experimental Investigation into Foundation Solutions for Offshore Wind Turbines”

Double European/National Student Award Winner 2011

- European Science, Engineering and Technology SET Finals, Millennium Hotel, London
- First Place Babcock Award for Best European Mechanical Engineering Student 2011
- Undergraduate Awards of Ireland and Northern Ireland, Dublin Castle
- Oscar Wilde Gold Medal 2011 – Engineering and Mechanical Sciences

Rian Edman, Mechanical Engineering, CIT

Project Title: “Thermodynamic Analysis, Testing and Evaluation of a Concept 6 Stroke Engine”

25. The Department of Tourism and Hospitality Studies hosted the 15th Annual Knorr Chef competition on 22 February 2012. The competition saw ten young chefs from Institutes of Technology throughout Ireland battle it out for the main prize of a trip to London to enjoy a food photography experience with acclaimed food photographer, Gareth Morgans, and an evening of gastronomic greatness in Heston Blumenthal’s multi-award winning The Fat Duck Restaurant. CIT student, **Shane Deane** was crowned Best Student Chef in Ireland and won the grand prize which also included a specially commissioned perpetual trophy to commemorate the 15th year of the competition. Now in its 15th year, Knorr Student Chef of the Year is the biggest competition of its kind in Ireland and has become a respected and keenly fought contest in the Irish culinary world.

26. CIT's EuroStar Final 2012 took place in the Rory Gallagher Theatre, Bishopstown Campus on 28 February 2012. This was the 9th year of the Competition and showcases the best of CIT talent. There were two categories, original and cover and the winners of each category went on to represent CIT in the National IT Factor. The winner of the cover section was **Muriel Foley** (1st year, MA in Public Relations), and the winners in the original section were **Cian Sweeny** and **Brinny O'Toole** (2nd year CIT CSM).
27. Following a very long day of project presentations and exhibition before a distinguished panel of industrial and academic judges at the 24th Annual International Medical Engineering project competition finals held in Birdcage Walk, Westminster, London on 29 February 2012, the following received one of the top three awards in the Vicon Prize for Best Medical Engineering

Project: Finalist Award

"Prosthetic Shoulder Stem Sandblasting Process Automation"

Cork Institute of Technology

Daniel Allen, Patrick Byrnes and Richard Childs

The Vicon Prize for Best Medical Engineering Project is open to Masters degree students, recent graduates and third/fourth year undergraduate students, who have completed or are working on a project in medical engineering.

This was a fantastic achievement for CIT and for third year students in competition with the cream of Final Year and Masters students internationally.

28. On 7 March 2012, RTE Nationwide broadcasted a programme on private Wind Energy and Solar Panel Installations. **Richard Moxley**, an Electrical Engineering student featured detailing the work he has done in his home with his own wind generator and solar panels. Richard did his electrical apprenticeship in CIT and because he is now a full-time electrical engineering student, RTE also visited CIT and spoke to some of the staff who advised and helped Richard with his project
29. The CIT Prize for Innovation, sponsored by Cork County and City Enterprise Boards Showcase and Awards Ceremony 2012 took place on 9 March 2012 in the Nexus, Student Centre. This is a competition that awards cash prizes to those whose inventions and business ideas are judged most creative, novel, innovative, and likely to succeed in the marketplace. The competition is open to all departments within the Institute and students can use a project that forms part of their coursework for the year as their entry to the competition. The co-founder of the Coder Dojo movement, Mr Bill Liao, was the keynote speaker at this year's competition and the following were the winners of the prizes:
- a. First Prize, and title of CIT Entrepreneur of the Year, went to Cool Counter, a cooling device for beverages that can be integrated into a bar top and keeps drinks cool. The team who consisted of Biomedical and Manufacturing Engineering, Mechanical Engineering and Business Studies students, Ann-Marie Cullinane, Daniel Goulding, Shane Fogarty, Cian O'Leary, Mohamed Slimane, Darren Dawson and Cian Hurley received a cheque for €4,000.
 - b. The Most Innovative Award of €2,000 went to the Muscle Stress Indicator which provides a real time analysis that correlates the relationship between a muscle that is under stress and the resulting heat that is generated because of this. The team consisted of students from Biomedical and Mechanical Engineering students and Management and Marketing students.
 - c. Best Business Plan and Presentation Pitch and a prize of €1,000 was awarded to Pyra, Aid, a wheelchair attachment which negotiates kerbs and footpaths.
 - d. A New Media award was given to Orla Finn of Recipe Rights. Orla is a 22-year old Multimedia student from Bandon, Co Cork. Recipe Right is a mobile app that gives access to various simple recipes that incorporates less than seven ingredients to make a healthy and inexpensive meal.
 - e. A New Market entry award was given to Grip to Stick which is a new Hurley grip which can be quickly and easily applied to all standard Hurleys. The team is made up of students from Biomedical and Mechanical Engineering and Business Studies students. The team received a cash prize of €1,000.
 - f. A special commendation award for the most innovative entry was given to Fog Off which was designed to solve the problem of spectacles fogging up. The team of Mechanical Engineering students received a cash prize of €500.
 - g. The Best Exhibition Stand on Innovation Day went to Road Network Solutions, a team of Mechanical and Biomedical Engineering and Business Studies students who received a cash prize for €1,000.

30. The Student Societies & Activities Awards took place on Thursday 22 March 2012 in the Nexus, Student Centre. 173 students involved in societies and committees were presented with a Certificate of Merit by the Registrar & VP for Academic Affairs in recognition of their contribution to societies throughout the year. Several special awards (Society of the Year, Best New Society, Most Improved Society, Best Event, Best Course Based Society, Individual Awards and a Supreme Individual) were also presented.
31. The Institute Prizegiving Ceremony took place in the Council Room, Administration Building on 28 March 2012. This annual presentation of prizes honoured the outstanding graduates of 2011. The following students were presented with prizes:
- **Tom Gearóid Dalton** – Best Honours Degree Student and Outstanding Recipient of a HETAC Award in Art & Design in CIT Crawford College of Art & Design – Bachelor of Arts (Hons) in Fine Art
 - **Caomhe de Paor** – Best Honours Degree Student – Bachelor of Music (Hons)
 - **Deirdre Donovan** – Best Taught Masters Degree Student – Master of Business
 - **Dara Doolan** – Best Taught Masters Degree Student – Master of Arts – Teaching Visual Arts for Primary & Early Years Education
 - **Brian Driver** – Best Honours Degree Student – Bachelor of Science (Hons) in Process Plant Technology
 - **Stephen Hugh Dunlop** – Best Bachelor Degree Student – Bachelor of Engineering in Nautical Science
 - **Clare Falvey** – Best Bachelor Degree Student – Bachelor of Science in Analytical & Pharmaceutical Chemistry
 - **Colin James Harrington** – Best Honours Degree Student – Bachelor of Science (Hons) in Nautical Science
 - **John Harrington** – Best Taught Masters Degree Student – MSc in Networking & Security
 - **Jane Healy** – Best Bachelor Degree Student – Bachelor of Arts in Culinary Arts
 - **Martin Johnson** – Best Taught Masters Degree – Master of Art (Music Performance)
 - **Martin Peter Johnson** – Best Overall Student – Master of Art (Music Performance)
 - **Shane Kiely** – Best Bachelor Degree Student – Bachelor of Engineering in Electrical Engineering
 - **Michael Minehane** – Best Taught Masters Degree Student – MEng in Structural Engineering
 - **Margaret Anne O'Carroll** – Marshall Hutson Award – Best Art Education Student – Higher Diploma in Arts – Art & Design Education
 - **Gary O'Halloran** – Best Honours Degree Student and HETAC Student of the Year Prize for the most Outstanding Recipient of a HETAC Award – Bachelor of Science (Hons) in Applied Physics & Instrumentation
 - **Marius Stepsys** – Best Bachelor Degree Student – Bachelor of Arts in Design Communications
 - **Brigid Walsh** – Best Honours Degree Student – Bachelor of Business in Hospitality Management
32. The 2012 Cork Mechanical, Manufacturing and Biomedical Engineering Exhibition Ceremony took place at Bishopstown Campus on Thursday 26 April. The theme for this year's exhibition was "Chemical Engineering – Universal Engineering" and featured 190 stands. For detailed information on the presentations, please see the following page.

No	Award	Recipient
1	Presentation of the Year 2012 Tim Sexton Memorial Award by Mr Donal O'Connor, Senior Partner, Cruickshank Intellectual Property Attorneys	<p>Mr Rian Edman (CIT Bachelor of Engineering in Mechanical Engineering (Honours))</p> <ul style="list-style-type: none"> Babcock Award for Best European Mechanical Engineering Student Science, Engineering and Technology Awards, Millennium Hotel, London 2011 Oscar Wilde Gold Medal – Undergraduate Awards of Ireland and Northern Ireland First Place Engineering and Mechanical Sciences – Dublin Castle 2011 <p>Ms Louise Connolly (CIT Bachelor of Engineering in Mechanical Engineering (Honours))</p> <ul style="list-style-type: none"> ESB International Engineers Ireland Chartered Engineer of the Year 2011 <p>Mr Daniel Allen, Mr Patrick Byrnes, Mr Richard Childs (Student Mechanical Engineers)</p> <ul style="list-style-type: none"> Siemens Engineers Ireland Innovative Student of the Year 2011 – First Place MEETA Asset Managers Student Award 2011 – First Place Vicon Prize for Best Medical Engineering Project Finalist Award International Medical Engineering Finals, Westminster, London 2012
2	Presentation of the Year 2012 Richard Hale Memorial Award by Mr Gerry Collins, Chairman, Pharmaceutical Ireland	<p>Mr Pádraig Herbert (CIT Bachelor of Engineering in Biomedical Engineering (Honours))</p> <ul style="list-style-type: none"> JRI Prize for Best Medical Engineering Exhibited and Presented Project Joint Second Place Overall and First Placed Undergraduate Student “Dorsiflexion Assistance and Stability Control of the Talocrural Joint in a Subject with Post Polio Syndrome” International Medical Engineering Finals, Westminster, London 2011 <p>Ms Katy Ryan (CIT Bachelor of Engineering in Biomedical Engineering (Honours))</p> <ul style="list-style-type: none"> First Class Honours and First in 2011 Graduating Class Citation for Joint Project with HSE and CIT’s Motion Control Laboratory “Design Protocol for Evaluating Microclimate of Foam Hospital Support Surfaces”
3	Presentation of MSD Ireland Prize for Best Chemical and Biopharmaceutical Research Project by Mr Dermot O'Brien, Commercialisation Project Leader MSD Ireland (Ballydine)	<p>Mr John Coakley (CIT Bachelor of Engineering in Chemical and Biopharmaceutical Engineering (Honours))</p> <ul style="list-style-type: none"> “Optimisation of an Automated Cleaning System” in conjunction with Pfizer Ireland Pharmaceuticals

33. The winners of the Gradeireland Graduate Recruitment Awards and Postgradireland Postgraduate Course of the Year Awards 2012 were announced on Wednesday 25 April 2012 at a gala dinner in the Mansion House in Dublin. Voted for by students and judged by an independent panel of industry experts, these awards recognise Ireland’s most popular recruiters across a range of employment sectors.

CIT Graduate **Connor Barry** (Abbott) won “Graduate Employee of the Year” award.

Connor graduated with a First Class Honours Bachelor of Engineering Degree in Mechanical Engineering at CIT in 2010, thereafter securing a place on the highly selective Abbott Ireland Professional Development Programme.

34. On Thursday 26 April 2012, CIT’s **Kieran O’Callaghan** was presented with First Prize and a cash prize of €3,000 for his Enablement Products, AquaEye and VisionRE by Minister Pat Rabbitte, T.D., Minister for Communications, Energy and Natural Resources at the National Council for the Blind in Ireland (NCBI) Centre for Inclusive Technology Showcase 2012 Awards which took place in Dublin.

Nine designers of inclusive technologies battled against each other in an exhibition-style showcase. The Mission was to promote digital inclusion in Ireland, with a specific focus on vision and vision loss.

35. CIT Biological Sciences students **Emma Marie Gabriel** and **Shirley Ross** received prestigious IRCSET (Irish Research Council for Science, Engineering & Technology) Scholarships. The total four year award is worth €72,000 to each candidate and will enable them to complete a PhD post-graduate programme. Both awards follow a comprehensive and very competitive round of screening and shortlisting by IRCSET, and are indicative of the high calibre of research submissions made by both candidates.
36. The Cork Senior Footballers won the 2012 National Football League Division One title in Croke Park on 29 April 2012. CIT graduates involved were **Ray Carey** (who received man of the match), **James Fitzpatrick**, **Colm O'Neill**, **Daniel Goulding**, **Donncha O'Connor**, **Paul Kerrigan**, **Conor O'Driscoll** and captain **Graham Canty**. Current student, **Aidan Walsh** was also involved with the team and marked his contribution with a great goal.
37. Cork Institute of Technology Sports Awards 2012 took place on Wednesday 2 May 2012 in the Tourism & Hospitality building. The Awards have been taking place since 1993 and provide the ideal opportunity for the Institute to recognise students who have excelled in their chosen sport throughout the past academic year. The awards are based on outstanding achievements in their sport and/or the administration of clubs within the Institute. As well as recognising current sporting heroes, the sports awards afford the opportunity to also recognise our graduates. On the day, the following awards were presented:

10 Individual Award winners

- | | |
|--|-----------------|
| 1. Gavin McCarthy , Recreation & Leisure 3 | Soccer |
| 2. Amanda Boland , Social Care 3 | Ladies Rugby |
| 3. Denis Good , Business Studies 3 | Sailing |
| 4. Mary McDonnell , Business Studies 4 | Ladies Soccer |
| 5. Stephen White , Business Studies 4 | Hurling |
| 6. Roseanne Phelan , Applied Biosciences 2 | Canoeing |
| 7. John Hickey , Business Information Systems 1 | Golf |
| 8. Sinead McMahon , Business Studies 4 | Ladies Football |
| 9. Eanna Farrell , BEng in Sustainable Energy | Athletics |
| 10. Michael Flavin , Bar Management 3 | Rugby |

Fresher of the Year

Emma Farmer, Recreation & Leisure 1 Ladies Soccer

Graduate Achievement Award

Pat Mulcahy, former Cork Senior hurler and Newtownshandrum Hurler

Team of the Year

Ladies Rugby

Club of the Year

Mens Soccer

International Achievement Award

Awarded to the following members of the CIT Sailing World Cup Team who finished in a remarkable third at the Student Yachting World Cup in France in 2011:

Denis Good, **George Kenefick**, **Aidan McLaverty**, **Joseph Bruen**, **Maria Connolly**, **Kevin Goulding**, **Gemma Twohig** and **Judy O'Brien**.

Achievement Award

- Clíodhna Sargent** (Hockey). Awarded to Clíodhna who is a Masters student, in recognition of winning her 100th international cap this academic year.
 - Colin Fennelly** (Hurling). Awarded to Colin who is a 4th year Construction Management student, in recognition of winning an All-Ireland Senior Hurling medal in 2011 with Kilkenny Seniors.
 - Jenny Luddy** (Ladies Football). Awarded to Jenny who is a 2nd year Recreation & Leisure student, in recognition of her winning an All-Ireland Senior Ladies Football medal with Cork Seniors in 2011.
38. CIT Cork School of Music student, **Mairéad Hickey** won first place (14–18 year age category) in the 19th Jeunesses International Violin Competition in Bucharest on 17 May 2012. A total of 138 competitors representing 38 countries participated in the competitions.
39. CIT Cork School of Music Final Year BMus Degree Student, **David Keating** won the 2012 CIT Cork School of Music Senior Recital Competition on 18 May 2012.

40. Two CIT Multidisciplinary Teams were honoured at the Enterprise Ireland/Invest Northern Ireland Think Outside the Box Innovation Finals which took place in DCU, Dublin on Thursday 7 June 2012.

No	Team	Project Title	Students	Award
1	Multidisciplinary Team of Mechanical and Biomedical Engineering, Accounting and Marketing students	PyraAid – Wheelchair Mobility Enhancement Design and Development	Siobhan Hickey, Laura Hannon, Sandra Hayes, Alan O'Reilly, John Roberts, Thomas Thornton and Stephen O'Brien	They were adjudged worthy of a Think Outside the Box National Award of Merit
2	Multidisciplinary Team of Mechanical and Biomedical Engineering, Accounting and Marketing students	MSI – Muscle Stress Indicator Design and Development	Rebecca Lyall, Richard Childs, Daniel Corkery, Seán Leahy, Declan Cotter, Richard O'Sullivan and Colm Keane	They were adjudged worthy of A Think Outside the Box National Award of Merit

Both teams were presented with Galway Crystal Trophies and cash prizes at the award ceremony.

At the award ceremony, CIT was also successful in obtaining the Academic Innovation Award 2012. This is the second occasion that this award has been presented to CIT. It was previously awarded in 2009.

41. **Martin Evans** obtained "First Place and Innovative Student Engineering of the Year 2012" award at the Engineers Ireland Innovative Student Engineer Award Finals 2012 sponsored by Siemens Engineers Ireland. The award ceremony took place on 18 June 2012 in EI Headquarters, Dublin. Martin was a student of the Bachelor of Engineering (Hons) in Mechanical Engineering. His project title was "Design and Development of an Advanced Scrum Machine." Following the presentation of the Innovative Student Engineer Trophy, Martin delivered a most eloquent and fitting speech to the large attending audience, speaking of his pride in representing both CIT and Munster Rugby.

3.11 Student Ombudsman

The Governing Body approved the Student Grievance Policy at its meeting of 1 July 2010. This policy required the establishment of a new role of “Student Ombudsman” in CIT and set out terms of reference for this role reporting to the President.

The Student Ombudsman advises and assists students with the resolution of difficulties, complaints or grievances involving staff or services of the Institute in an informal manner.

The services provided by the Student Ombudsman may refer relevant student issues for resolution by those services as appropriate.

All enquiries to the Student Ombudsman are confidential, except in cases of serious threat to life or property.

Appointment of Student Ombudsman

Nominations were sought from the academic staff. The appointment of the following was made by the President following a review which included the Registrar & Vice President for Academic Affairs, and the President of the Students’ Union.

- Mr Paul Sliney, retired member of the academic staff appointed from 24/9/2010 to 31/1/2012.
- Mr Kevin Kelly, retired member of the academic staff appointed on 1/2/2012.



CIT Blackrock Castle Observatory

4. Research & Development

Cork Institute of Technology

- 4.1 Development Activities
- 4.2 Research Activities
- 4.3 External Development Links
- 4.4 Campus Development
- 4.5 Safety & Facilities Management

4.1 Development Activities

CIT Support for Companies

The Institute is committed to assisting entrepreneurs and new business start-ups in the Region. Supports and opportunities are provided to existing companies at different stages of company development to progress to the next level. This is done mainly through the Rubicon Centre, and the Programmes run from the Centre, as well as through the Technology Gateways Programme (previously the Applied Research Centre (ARE) Programme).

Rubicon Centre

The Rubicon Centre accommodates 220 people, working in 57 start-up companies. This is the largest concentration of start-up companies on the island of Ireland. Over 50% of the companies based in the Rubicon have links with CIT. These links are in the form of student placements, student projects or joint research and development.

One of the companies that is located in the Centre, Radisens, was awarded a €1m contract from the European Space Agency. They have cited the existence of a highly specialised Photonics Research Group at CIT as a key reason for their on-going success.

The Rubicon Centre continued to run its development programmes throughout the year.

Genesis Enterprise Programme/New Frontiers (Phase 2) Programme

During the year the Genesis Programme, which was the Institute's Enterprise Platform Programme, was rebranded under a national brand - New Frontiers. The New Frontiers Programme has a significant impact in the Cork area in terms of business start-ups. In turn, many of New Frontiers "graduate" companies will continue to hire CIT graduates, be a regular source of placements for CIT students and will have collaborative and contract research projects with CIT.

In March, Mr Seán Sherlock T.D., Minister of State for Research & Innovation, officiated at the Annual Awards and Showcase. The awards ceremony marks the end of the participants' year on the programme. The 17 participants came from a range of sectors including, gaming, micro-electronics, new forms of media, food, medical devices, and internationally traded services.

The first prize at the awards was a €50,000 investment from Enterprise Equity (AIB Seed Capital Fund).

Over 200 people attended the 2012 Genesis Showcase & Awards drawn from the regional development bodies, current and past Genesis participants, venture capitalists, private investors, the higher education community and the wider business community in the South West region. SOMEX (2004/2005 Genesis Programme) was awarded the 2012 Genesis Alumni Award. The Award is presented annually to an alumnus of the Genesis Programme who has made substantial achievements in their commercial field or has contributed in a significant way to the economic development of knowledge based businesses in the region. SOMEX has a strong reputation for developing innovative products primarily for the beverage sector. The Company currently has customers in 45 countries across 4 continents.

New Frontiers (Phase 1)/Enterprise Start

CIT continued to run the Enterprise Start programme throughout the year under its new branding of New Frontiers (Phase 1). Enterprise Start helps potential entrepreneurs to make decisions regarding the feasibility of their idea and gives insights into the essential elements involved in creating a new enterprise. At the end of the programme, each participant is given the opportunity to present their business plan to a panel of experts and support agencies. Participants also obtain advice and support on where to look for further assistance in developing their business idea. On completion of the programme, approximately 80% continue developing their business concept either on a part-time or full-time basis. This Programme is also used in company closure situations and a number of programmes have been completed where multi-national companies are faced with reducing their headcount.

PINC

CIT continued to run PINC, a dedicated programme for female entrepreneurs. PINC is an intensive programme for female entrepreneurs who want to take their business ideas to the next stage. The programme is run part-time over 10 weeks, allowing participants to balance their family commitments while at the same time plan and develop their business ventures. The idea behind PINC is to allow participants the opportunity to focus on their business idea in a structured group environment, whilst at the same time offering one to one mentoring on all aspects of their business.

EU Projects for Start-Ups

The Institute is involved in an EU project TESLA. TESLA is a European cooperation project which focuses on innovation supports for early stage technology companies. With partners in the Border, Midland and Western Regional Assembly based in Roscommon, Belgium, France, Wales, Germany and Holland, CIT is responsible for actions related to internationalisation, new product development and entrepreneurship in large companies.

Beacon Initiative

The Beacon Initiative is funded by Cork County Council and aims to foster stronger links between the Institute's research and enterprise support activities and companies in the wider Cork region. Almost 100 companies have had the opportunity to interact with the Beacon Initiative and a number of growth opportunities for existing companies have been identified. These include job growth, building international sales and potential research & development projects.

Innovation and Technology Transfer

The dedicated Technology Transfer resource continues to play an integral role in supporting the increased interaction with industry in all departments across the Institute.

Funding of €150,000 was secured from Enterprise Ireland to continue this activity. In 2011, there were over 200 interactions with industry which required agreements such as non-disclosure agreements to be drawn up. The majority of this activity was generated through the three Applied Research Enhancement Centres (TEC, CAPP & MEDIC) as they continue to increase the level of activity with industry in the region.

During the 2011/2012 academic year, the following technology transfer activity was achieved:

- Licences, Options 5
- Invention Disclosures 21
- Patents 5

The Intellectual Property (IP) Policy was rolled out and implemented during the year. A number of specialised training courses were held for the research community to increase their awareness of IP. They were shown how to protect IP and the options for exploiting and commercialising IP.

Student Entrepreneurship

Undergraduate Entrepreneurship Activities

CIT is increasing its undergraduate activity in the area of entrepreneurship year on year. The Industry Liaison Office has played a leading role in this area along with a growing number of academic departments. The Rubicon Centre is a huge asset in pushing this agenda forward.

Cork County and City Enterprise Boards CIT Prize for Innovation 2012

The 10th CIT Prize for Innovation took place in the Nexus Student Centre Courtyard on 9 March 2012 with a keynote address from Mr Bill Liao, serial entrepreneur and co-founder of the CoderDojo movement.

Student "Entrepreneurs" (21 teams with over 121 students involved) showcased their businesses during the exhibition and a total prize fund of €10,000 was awarded to the winning entries. Over 300 students from the Institute and the Cork Schools Programme attended on Innovation Day. The Cork County and City Enterprise Boards sponsored the competition and in addition to the cash prizes, a perpetual cup is on display in the Department of Mechanical, Biomedical & Manufacturing Engineering.

The Institute also hosted the Cork Schools Enterprise Programme to coincide with its "Prize for Innovation". The Cork Schools Enterprise Programme aims to educate second level students about the realities of setting up and running a business.

Think Outside the Box Awards (formerly known as the Student Awards)

Ten projects from the CIT Prize for Innovation were entered into the "All Ireland Think Outside the Box Awards", offering third-level students across Ireland the chance to compete for the coveted title of "College Entrepreneurs of Year" and win a share in the prize fund of €50,000. CIT has an excellent track record in this competition taking the overall prize in 2004, winning the Cruickshank & Co Technology Innovation Award in 2005, taking a College Award in 2006, winning the overall prize in 2007, winning the Cruickshank Technology Innovation Award in 2008, and taking 2nd place in 2010.

Out of a total of fifteen projects short-listed for the Enterprise Ireland Think Outside the Box National finals, three CIT projects were selected.

Enterprise Interns

CIT has two Enterprise Interns promoting entrepreneurship amongst the student population. One Intern is based in the Development Office and the second is based in the Rubicon Centre. Both interns have access to the Academic Staff and to the staff of the Rubicon Centre and the 57 start-up companies based there. The Interns spend 20 hours a week on promoting entrepreneurship on campus while pursuing a Masters in CIT. The Interns ran a number of competitions during the year, including a competition for the second-level students, which was held on Open Day. These positions are funded through the City and County Enterprise Boards and CIT.

Summer Internship Programme (Hatchery)

Over the summer months five student projects, consisting of six students, attended the Rubicon full-time developing their business ideas. During this time they attended weekly workshops, covering many topics that enabled them to produce a completed business plan by 1 September. The students received mentoring from industry and financial assistance from the School of Business and the School of Engineering & Science, and office accommodation from the Rubicon. The internship programme was completed in September 2012 when the student businesses that were created over the summer months were presented and launched to the Senior Staff.

Entrepreneur in Residence

The appointment of Kieran Moynihan as CIT Entrepreneur in Residence in September 2010 has had a very positive impact on students, staff and the companies based in the Rubicon Centre. As well as providing guidance and support to the companies in the Rubicon pitching for investment Kieran has met with CIT staff and students across the campus promoting innovation and entrepreneurship. Kieran has also represented the Institute at regional and national events, e.g. National Guidelines on Entrepreneurship Education.

Cork Innovates

Cork Chamber established a forum, Cork Innovates, to examine how to drive entrepreneurship in the region. The Institute has representatives on each of the three sub-committees of this organisation. Given the current economic climate, it is vital that Cork creates a favourable environment for the growth of entrepreneurship and the development of indigenous businesses that can potentially create employment and increase Ireland's exports. The objective of the Committee is to develop a cohesive and clear message from all stakeholders to promote a culture of entrepreneurship and support for the region's entrepreneurs.

Innovation Week

Innovation week at CIT was held from 5 - 9 March 2012 and in total 16 events were held during the week. Activities were held on the Bishopstown Campus, CIT Crawford College of Art & Design and CIT Blackrock Castle Observatory. Approximately 1,200 people attended events or entered one of the many competitions during Innovation Week.

4.2 Research Activities

Research and Development Activity – Highlights

In the academic year 2011/2012, Institute researchers won approximately €10,456,000 in externally-funded research awards.

The tendering process for the PRTLIV funded Centre for Advanced Therapeutic Engineering (CREATE) entered its second phase with an estimated date for signing in late 2012.

Under the new Technology Gateway Programme (formerly the Applied Research Enhancement scheme, in which CIT has three centres), CIT was awarded funding for TEC and CAPP amounting to €2.2m. The decision on the third application, MEDIC, is expected in early 2013.

Under the Irish Research Council PhD scholarship scheme, CIT received a total of seven, representing the Institute's best performance and an 80% success rate.

CAPP and Nimbus are partners in two SFI Research Centre calls. Researchers from Bio-Ex and NMCI are participants in two other applications.

The Institute increased their EU income to €2,469,836, making EU-funded projects the largest single income generator in the reporting period.

Institute researchers were awarded approximately €540,000 under the SFI Research Infrastructure Call.

MEDIC was successful in three Enterprise Ireland (EI) Commercialisation Fund applications worth €1.2m.

Institute researchers published approximately 160 conference papers, and 65 peer-reviewed journal papers; continued their strong engagement with industry, being involved with over 120 companies in R&D projects; and completed over 400 undergraduate projects with industrial partners.

The Institute's Risam PhD scholarships were inaugurated in 2012, offering 10 full scholarships and a number of fee-waiver scholarships also.

CIT Blackrock Castle Observatory celebrated five years open to the public in August 2012. The average threshold visitor number to the facility has risen to 100,000 per annum.

PRTLIV

(i) CREATE Research Building

The concept of the Centre for Advanced Therapeutic Engineering is to assemble a multidisciplinary collaborative research team in the same state-of-the-art building, combining the three areas of biosciences, biomedical technologies and advanced bio-imaging to drive research in Advanced Therapeutic Engineering. The newly approved building will be constructed at the end of C-block, will be two-storeys in height with an expected gross floor area of 1,533m². Work is expected to commence in early 2013 and completed in early 2014.

CREATE's three complementary research strands come from two of the Institute's Strategic Research Clusters (SRC's) and provide convergence on translational health research across the spectrum from patient care to product development. **Bio-molecule discovery** involves peptide analysis & engineering including bio-informatics & molecular diagnostics, focusing on therapeutic applications in infectious disease, gut health and cancer. **Biomedical engineering** concentrates on implant technology platforms, including SMART surgical devices, post-operative rehabilitation and biomaterials for in-vivo therapy and regeneration, partnering with clinicians and industry. **Advanced imaging** focuses on developing new devices for optical imaging applications in biomedical and process analysis in partnership with industry and academia.

CREATE has targeted a number of areas which have been identified as critical to the development of our national R&D capacity, such as "basic biomedical sciences, information technology, bioengineering and drug development" and, as a consequence will directly support and provide specialists for these sectors in which R&D growth has been prioritised. It will play an important role in supporting and enhancing key regional industries, specifically the bio-pharma and bio-medical device industries which rely on innovative ideas and highly skilled graduates. Through a carefully planned and managed programme of access to the facility by HEI's and industry, CREATE will help to strengthen the R&D capacity in the region and nationally.

Institute researchers can already benefit from the "CREATE ADVANTAGE" in which applications for funding or collaborations with industry gain the added value of having ready access to multidisciplinary laboratories and experts across a number of disciplines. When all of the CREATE teams are co-located in the new building, the synergies generated are expected to result in enhanced research and innovation outputs.

(ii) Ed4Life and INSPIRE Structured PhD Programmes

Ed4Life (Education for LifeSciences) is a structured PhD programme in the lifesciences lead by CIT, with collaborators in UCC and Teagasc, Moorepark. The second cohort of students are due to be enrolled in September 2012. Modules in generic skills are being refined and will be accredited by the Institute's Academic Council along with a number of subject-specific modules for the lifesciences. The Institute is considering using modules from the Research Alliance programme (involving all 13 IoT's and accredited through Sligo IoT's Academic Council).

The National Graduate Education Programme in Nanoscience and Nanotechnology (**INSPIRE**) involves CIT and University College Cork/Tyndall National Institute, Dublin City University, Dublin Institute of Technology, National University of Ireland Galway and University of Limerick. This graduate programme builds on the successful PRTL4-funded Integrated NanoScience Platform for Ireland (NANOTEIRE) collaboration. INSPIRE is also developing modules (generic and subject specific) and the optimal use of these along with the modules being developed for Ed4life is being assessed.

PRTL4 IV – Completion of Programme

The final stages of the PRTL4 IV programme were ongoing in 2012. Whilst the final comments on the outputs of PRTL4 IV are yet to be collated, it is clear that there are a number of significant successes which have been enabled by the investment:

- a) The NIMBUS Centre for research in Embedded Networked Systems is complete and has 50-65 researchers at any time, with sustainable income that originates from diverse sources for this level of activity.
- b) The NIMBUS building was selected as a testbed for a micro-grid, in collaboration with United Technologies Research Centre, the first such testbed in Ireland.
- c) An Energy PI will be employed to drive development of the energy testbed and this person will be a member of the newly constituted Energy and Sustainable Environment Research Cluster.
- d) A new group working in the water systems space was constituted with support from the two local authorities.
- e) The excellent progress made in the NANOTEIRE Structured PhD programme (lead within CIT by CAPP) supported a successful follow-on programme in PRTL4 V.
- f) The Environment and Climate Change programme reached all its major milestones and deliverables.

CIT@Tyndall

The CAPP personnel working in the Tyndall National Institute under the title of CIT@Tyndall continued their very successful progress. They were successful in:

- Attracting Dr Ian O'Driscoll under the SFI Starter Investigator Research Grant (a prestigious 4-year grant)
- Being a significant partner in a photonics application under the SFI Research Centres call, which is extremely competitive.

Research with Indian Universities

PhD students Neha Deshpande (University of Pune) and R. Himasputri (Indian Institute of Technology, Delhi) spent two months in the Nimbus Research Centre in June/July 2012 as part of their PhD studies.

Research Office

The Research Office has purchased a funding database for the Institute called "Research Professional". The database enables any researcher in the Institute to look for funding opportunities across the globe and to customise their searches in a way that is most suitable to their discipline requirements.

The Research Office is testing a Research Management System based on the Microsoft Dynamics platform and customised locally. The system will enable the Institute to track research activity centrally and researchers can use the system to manage their own research.

The Head of Research is the sponsor for the introduction of a Researcher Career Framework. Initial feedback confirmed the need to address the career structure of contract researchers across the full spectrum of activity from research assistant to senior research fellow.

SFI Research Infrastructure Call

CIT was awarded approximately €540,000 under the SFI Research Infrastructure Call to purchase two new pieces of equipment in the areas of analytical chemistry and bacteriology. CIT and WIT were the only two Institutes of Technology to receive funding under the scheme, six of the seven universities were also successful.

Research Centre Highlights

(i) ICT - Nimbus Research Centre

- In June, NIMBUS welcomed Prof Sajal K. Das from the University of Texas at Arlington who was awarded a prestigious SFI E.T.S. Walton Fellowship to work with NIMBUS for 9 months on the project "Occupancy and Activity Detection for Smart Building Energy Management". Prof Das is the Centre Director for CREWMan (Centre for Research in Wireless Mobility and Networking) at the University of Texas.
- Enterprise Ireland Innovation Partnership project kicked off with Servusnet Ltd. The project involves development of cloud hosted wind prediction solution aimed at enhancing energy output from wind farms, in collaboration with NUI Maynooth and UCC. CIT Budget: €84k.
- Mallow Systems Innovation Centre project was launched to create a field trial facility in Mallow for emerging systems technologies and networked applications. Funded by Mallow Development Partnership. Cost €139k.
- Nimbus hosted stands at the Irish Innovation Showcase in Limerick in July 2012.
- NIMBUS researchers concluded a license agreement with SEFtec on the work done in their EI Innovation Partnership with the company. This project developed a smart tracking platform, called iTracker, which traces the movement of trainees in Fire Train Units during exercises. NIMBUS is now working with SEFtec to support their commercialisation programme for the technology.

(ii) Lifesciences and Wellbeing - Bio-Explore and Biomedical Engineering

- A successful Marie Curie Industry-Academia Partnership and Pathways (IAPP) from the EU FP7 programme was granted funding to a value of approximately €1.3 million. CIT staff involved are Dr Paul Walsh (Computing), Dr Roy Sleator (Biological Sciences) and Dr Aisling O'Driscoll (Computing). The academic partner is the University of Edinburgh and the company partner is the CIT spinout company nSilico. The project is ClouDx-i: A Cloud Based Software Solution for Next Generation Diagnostics in Infectious Diseases. The project will commence next year.
- Bio-Ex researchers are currently scoping out a data mining project with the Munster Rugby team (Bryce Cavanagh, Head of Nutrition). Helena Stack (Biology) is the primary contact and this project is currently being assessed by the CIT Research Ethics Committee.
- PhD graduate Pierre Douarre began his post-doctoral position at the Pasteur Institute.
- Dr Roy Sleator has been included as a funded PI on the SFI Research Centres call formalising our links with the APC and putting in place the frame work for the formation of the API (Alimentary Pharmabiotic Institute made up of UCC, CIT and Teagasc).
- MEDIC had three technology Commercialisation fund applications approved by Enterprise Ireland totalling €1,162,000 in funding to develop Medical Devices for clinical applications in Critical Care and Ear, Nose & Throat (ENT). This brings MEDIC's Research and Product Development income in the past 12-15 months to almost €2m from sources such as Health Research Board, Enterprise Ireland and local Industry. The devices in question are the output from a number of technology platforms which MEDIC has been developing, and a direct result of MEDIC's close collaborations with practising clinicians and with the medical device industry.

(iii) Photonics – CAPP

At the end of August, CAPP welcomed SFI Starting Investigator Dr Ian O'Driscoll to the group. Dr O'Driscoll secured €400k in funding over four years for himself and a PhD student, under the mentorship of Dr Guillaume Huyet. He will officially take up his position in CAPP on 1 September, where he will work on Ultra-short Pulse Generation in InAs Quantum Dots. Three new PhD students also joined CAPP in late August: Mr Patrick Finch (who will work with Dr O'Driscoll), Mr Thomas Butler, and Mr Ben O'Shaughnessy.

CAPP received funding from Enterprise Ireland for a Feasibility Study with SensL under the Innovation Partnership programme to investigate a new measurement platform for photon counting devices.

An IDF covering the mid-infrared sensing technology for dissolved carbon dioxide developed for Somex under the Innovation Partnership programme has been submitted and a patent review is underway. Somex are currently evaluating the technology for commercialisation in the beverage market.

CAPP is part of the Irish Photonic Integration Research Centre (I-PIC) bid led by Tyndall National Institute that was one of only twelve proposals invited to make a stage two full submission to the SFI Research Centres Call. I-PIC will see CAPP collaborate with photonics researchers in Tyndall, UCC and DCU as well as life scientists in UCC and BDI (DCU) over the coming six years. The Centre is supported by approximately 16 companies and under the proposal CAPP will engage in industrial research with Eblana Photonics, Lake Region Medical, SensL, Superlum and Somex which is part funded by the companies themselves.

CAPPA has been successful in two proposals to the new industry-led Pharmaceutical Manufacturing Technology Centre supported by Enterprise Ireland and IDA. CAPPA together with the Integrated Photonics Group in Tyndall will investigate approaches to develop hardware and methodologies for “Real Time Release of API (Active Pharmaceutical Ingredient) during Manufacturing”. The second project on continuous processing technologies is led by UCC’s School of Pharmacy in collaboration with the Institute’s Department of Process, Energy & Transport Engineering and CAPPA. Both projects are scheduled for kick-off at the end of 2012, thus seeing the Institute active in two of eight projects funded nationally at this initial phase.

Invited presentations:

Dr Guillaume Huyet was an invited speaker in August at the I-Now Summer School organised by the Universities of California Berkeley and Stanford and at the International Symposium on Compound Semiconductors. Bryan Kelleher and Dr Guillaume Huyet were invited speakers at the Laser Dynamics workshop organised at the Weierstrass Institute in Berlin in August. Dr Guillaume Huyet was an invited speaker at the European Optical Society Annual Meeting in Aberdeen in August.

(iv) Energy and Sustainable Environment

This new Institute Research Cluster was established to coordinate the growing activity in the areas of energy and sustainable environment, and recognising the potential impact that the Institute might have in associated disciplines.

One particular project of note is the Zero2020 Energy Testbed which forms the retrofit at the end of Block B. It has completed Phase 1 Construction, and has now moved into monitoring and data collection. The project was due to be presented at the National Passive House Conference ‘See the Light’ in September and has been submitted as a case study for an academic paper. The initial data suggests a 40-60% reduction in net energy usage and the knowledge gained will greatly assist with the research into further retrofit works, especially in Block A-D.

CIT Crawford College of Art and Design

James Hayes, Lecturer in the CIT CCAD was awarded seed funding for research between the Research Office and CIT CCAD. He exhibited his work at the IRON-R Exhibition in the National Sculpture Factory to much acclaim. Some of the art created at IRON-R was exhibited in the Royal Hibernian Academy in Dublin. James also participated in the HYBRID research project with colleagues in Denver, Colorado. This consisted of four weeks residency at REDLINE Contemporary in Denver, culminating in an exhibition of collaborative works with artists and university professors from both Ireland and the USA.

School of Humanities

The “Spraoi” project in the School of Humanities commenced in May. Spraoi is part of the strategic research theme identified by the School of “Integrated Healthcare”. The objective of the project is to assess factors that can mitigate childhood obesity. The project is seed-funded by CIT.

CIT Blackrock Castle Observatory (CIT BCO) – 5th Year Operational Milestone Passed

BCO was open to the public for five years in August 2012. The average monthly footfall to both the exhibit and other educational events is 4,000 with an additional 6,000-8,000 at the restaurant. This translates into a monthly footfall of 10,000-12,000 visitors.

General summary of current areas of Specialisation and Expertise

There are currently twelve active research groups operating in departments across the Institute in addition to individual research supervisors.

Some of the main research areas are as follows:

- Telecommunications, Adaptive Wireless Systems
- Molecular Biology/Applied Molecular Genetics, Environment (Marine and Freshwater), Bio-analytical Methodology, MedicalDiagnostics, Food Safety and Product Quality
- Ecotoxicology, Proteomics, Pollution Monitoring & Control, Clean Production Technologies, Sustainable Development, Environmental Management and Air Quality
- Surface Physics, Materials Science, Nanotechnology, Computerised Instrumentation, Biophysics, Astrophysics, Photonics/Optics
- Electronic Engineering: Modern Signal Processing, Adaptive Control, Applications in Communication Systems, Electronic Power Systems, Software Engineering, Optoelectronics
- Mechanical Engineering, Fatigue Analysis, Renewable Energy, Aluminium Alloys, Turbine Component Measurement, Biofuels and Biomedical Engineering
- Software Development, Neural Networks
- ICT in Education, Web-based Learning, Digital Media, Work-based, Open and Distance Learning, Certification/Qualification frameworks and Skill/competency needs analysis
- Social Care
- Art and Design - new and native materials (ceramics and foundry research)
- Music (20th century Irish Composers)

This research is in addition to research and consultancy undertaken within Technology Centres in the Institute. These centres are national resource centres and provide independent expertise, advice and assistance to different sectors of industry, business and government bodies. They include:

- The **Centre for Advanced Manufacturing and Management Systems (CAMMS)** provides individuals and companies with opportunities to study for and obtain professional qualifications in specific areas as well as research and consultancy services to a range of industries in areas such as plant layout and process optimisation.
- The **Clean Technology Centre (CTC)** was formed in response to the growing need for better environmental performance in industry and society and the need to minimise waste at source as opposed to waste treatment and disposal. This centre provides training and consultancy to industry as well as research into cleaner production technologies, waste classification and waste minimisation, at national and EU levels. In 2011/2012, the turnover was approximately €1m.

4.3 External Development Links

Strategic Innovation Funded REAP Project

Work placement Report launch

In 2011/2012, the Institute continued to lead the Roadmap for Employment-Academic partnership project. The project team completed a significant report on Work Placement in Third Level Programmes which was launched in Dublin in March 2011 by Mr John Hennessy, Chair of the HEA in conjunction with IBEC and USI. The report has been widely welcomed by Higher Education Institutions (HEIs) and Industry partners alike and has formed the basis of development of practice in work placement. Soft copies of the report are available from the REAP project website www.reap.ie.

Customised Learning Development

The REAP project consortium explored current practice in the development of learning opportunities in response to specific workplace learning needs. This analysis explores eleven instances of specialised targeted courses in depth and captured employer views of the process. From this work, a generalised view of the development of courses in partnership with employers is proposed and guidelines for practice are offered. The full report is available on the REAP project website.

EU DG Education and Culture

The Science-to-Business Marketing Research Centre (2011) published 30 best case studies of good practice in the area of University Business Cooperation within Europe. The REAP Project was selected as an exemplar of good practice in this area. Full case study accessible at http://ec.europa.eu/education/higher-education/doc/studies/munstercase_en.pdf

National Framework for Engagement

The REAP project has been working with the HEA towards the development of a National Framework to support engagement. The focus of the project team has been on the development of transferable toolkits to support and stimulate engagement between Higher Education Institutions and external enterprises.

CIT Extended Campus

In November of 2011 the CIT Extended Campus was launched with the mission of supporting and stimulating all forms of engagement. This is a unique initiative which builds on the success of the REAP project nationally and internationally. It recognises that engagement has always been a significant part of CIT's mission and is focused on ensuring that engagement is made accessible for our external partners.

Since its launch the Extended Campus has:

- Published 5 newsletters with a circulation of approximately 500
- Developed a Twitter following of 420
- Published 12 Case Studies showcasing a range of engagement activity
- Logged 71 leads of potential engagement activity
- Developed an improved process flow for customised and flexible learning development in response to company requests
- Attended a series of engagement and networking events to highlight CIT's engagement activity and potential
- Worked with placement coordinators to support the placement activity and build future engagement potential.

Customer Relationship Management (CRM) for Engagement

CIT Extended Campus has piloted the customisation of a Customer Relationship Management system which acts to support engagement and facilitates the collation of a coherent institute-wide set of business intelligence to support strategic decision making. CIT has demonstrated the system to a number of HEIs including IT Tralee, IT Sligo, NUI Galway, Trinity College Dublin, and Athlone IT.

Springboard

CIT Extended Campus collated the CIT Springboard course proposals for 2012. The proposed courses represent the range and quality of courses available and the opportunity to enhance employability. In total over 260 places were made available, representing a total of over €1.2m in approved funding.

Cloud Computing Centre of Excellence

ICT Skills Higher Diploma

The Cloud Computing Centre of Excellence has continued to pioneer course development in collaboration with enterprise in emerging technological areas. In addition to the Masters and Bachelor programmes in Cloud Computing, the Cloud Computing Centre of Excellence led the development of two conversion programmes under the HEA ICT skills call in 2011/2012. These courses, the Higher Diploma in Cloud Computing and the Higher Diploma in Cloud and Mobile Software Development, attracted over 219 applicants for 80 places. The courses were developed in partnership with local and national enterprise and have been very well received.

Open Cloud Developments

The Cloud Computing Centre of Excellence has led the discourse in Open Cloud Technologies and has facilitated OpenStack events that were supported by a large number of IDA and Enterprise Ireland companies.

Conferences/Awards

Conference on Entrepreneurial Universities 2012, Münster 25-27 April

Sheridan, I & O'Connor, M. 'Towards a National Approach to Engagement in Irish Higher Education'.

Irish Academy of Management Conference 2012, NUIM

Sheridan, I. & Barry-Murphy, C. 2012, 'Partnership development of customised learning solutions to meet specific enterprise learning needs'.

EADTU 25th ANNIVERSARY CONFERENCE 2012, Cyprus

Barry-Murphy C., Sheridan I. 'CIT's Extended Campus - an Exemplar of Supported Engagement in Higher Education Ireland'.

EAIE Conference 2012, Dublin

Ryan, M., O'Neill, D., Sheridan, I. & Murray, J. 'Ireland's answer to rethinking education and reshaping the economy'.

UIIN Award Shortlist

CIT Extended Campus has been shortlisted for the 2012 University Industry Innovation Network Award. We are the only Irish institute on the short list of ten which includes University of California, Berkeley, and Tohoku University in Japan.

International Activities

The need for institutions of higher education to embrace internationalisation has never been higher. Inter alia, the increasing demand for international education, the adoption of English as the global language of education, the globalisation of business, the ready availability of information and communications technologies, the pressure for higher education institutions to increasingly self-fund and the growing financial capacity of some major world powers have, in the view of many commentators, positioned internationalisation centrally in the strategic thinking of many institutions.

The Institute has long been engaged in the development of international relationships for the benefit of its students and other stakeholders. Over many years, CIT has developed strong relationships with international institutions (primarily European) which have provided student exchange opportunities, staff development avenues and research outlets that would otherwise not have been available locally. In more recent years, the Institute has developed a number of highly promising strategic relationships in India and is actively engaging with relevant institutions in China, Canada and the Middle East. CIT is committed to developing long-term, strategic relationships with educational institutions of high standing to ensure that its students are provided with opportunities to learn and develop in a truly international context.

Lifelong Learning/Erasmus Programme

Erasmus Mobility Activities

During 2011/2012, the activities under the LLP Erasmus programme continued to develop. CIT was awarded an Extended Erasmus University Charter for the period 2007-2013, enabling the Institute to apply for mobility funding to finance and operate student study exchanges and placements, as well as academic staff exchanges and staff development visits, on an annual basis.

Funding totalling €137,692 was received from the HEA (Erasmus National Agency) for mobility activities to take place during the period from 1 July 2011 to 30 September 2012.

Erasmus Study Exchanges and Placements (Outgoing)

During 2011 to 2012, twenty students from the following disciplines participated in the Erasmus Study Exchange programme: Music, Art and Design, Multimedia and Business Studies. These students studied at Erasmus partner institutions in the following countries: Finland, Italy, Germany, Belgium, Hungary, the UK, Spain, Sweden, and Denmark.

Thirty-six students from the Schools of Humanities, Science and Engineering, carried out Erasmus-funded placements at companies/organisations in Finland, Denmark, The Netherlands, Germany, France, and Spain.

Erasmus Staff Mobility

Sixteen Erasmus lecturing exchanges took place during the year. These included five incoming lecturing visits by industry experts from other European countries. These visits are a highly valued Erasmus-funded development, as they provide up to date industry/ specialisation insights for students and staff. A number of Erasmus placement staff monitoring visits were also funded. Two staff members went on Erasmus funded training visits, to Romania and Hungary. Three preparatory visits also took place, with the aim of setting up new bilateral agreements. The participants in these visits were from CIT CCAD and the Department of Social and General Studies.

The Institute also welcomed 190 incoming Erasmus students for study exchanges and placements during 2011/2012.

The following departments/colleges were involved in the exchange programme during this academic year:

- Accounting & Information Systems
- Applied Physics and Instrumentation
- Architecture
- Biological Sciences
- CIT Cork School of Music
- CIT Crawford College of Art & Design
- Civil, Structural & Environmental Engineering
- Computing
- Construction
- Process, Energy & Transport Engineering
- Chemistry
- Electronic Engineering
- Management & Marketing
- Mechanical, Biomedical & Manufacturing Engineering
- National Maritime College of Ireland
- Social & General Studies
- Tourism & Hospitality Studies

Exchange Partnerships

CIT currently has Erasmus exchange agreements with over 100 European partner institutions. The Institute was a partner in successful applications for two Erasmus Intensive programmes involving the departments of Media Communications, Management & Marketing, Art & Design, Music, and Social & General Studies. Students from these departments will have the opportunity to attend week-long courses at partner institutions over the coming three years. New agreements were signed in 2011/12 with the following institutions:

- Arts University College, Bournemouth, UK
- Birmingham Conservatoire, UK
- Yasar Universitesi, Izmir, Turkey
- Conservatorio di Musica Lorezo Perosi, Campobasso, Italy
- Academia de Muzica Gheorghe Dima, Kluj, Romania
- Southampton Solent University, UK

Erasmus Intensive Programmes

The Institute was successful in applying for funding to coordinate two Erasmus Intensive Programmes for the next three years. The first of these is "European Creative Futures", and has partners in Norway, The Netherlands, Finland, and the UK. The second of these is "Creative Live Learning", which will be coordinated by the CIT CCAD. The total budget for the first year of these two programmes is just under €90,000.

CIT is also a partner in three other Intensive Programmes, which have been successfully funded, involving the Business Studies, Social & General Studies Departments, and the CIT CSM.

George J Mitchell Peace Scholarship

The Institute continued its participation in this scholarship exchange programme, which was established to commemorate the signing of the Good Friday Agreement. The Scholarship provides an opportunity for one semester exchanges for two students between CIT and the colleges in the Maine Community College System.

4.4 Campus Development

CAPITOL PROJECTS



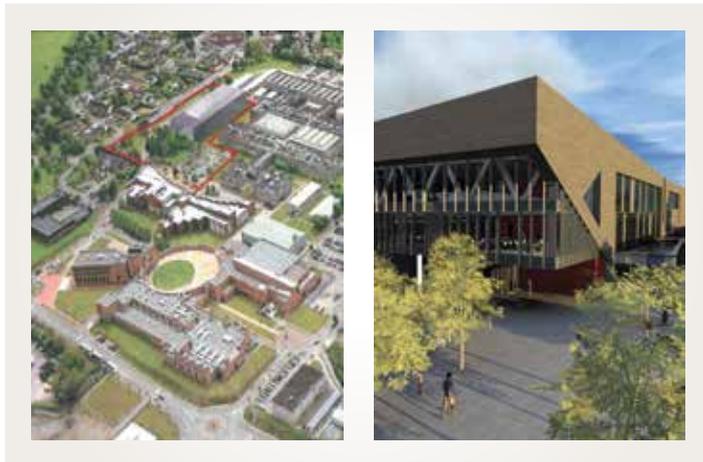
MASTERPLAN

Description:

The Masterplan has been developed. It was finalised and approved by the Development Committee at its meeting on 25 June 2012.

Project Status:

The Masterplan report is complete.



PPP LRC – LEARNING RESOURCE CENTRE

Description:

This project was ready to start on site, but due to the prevailing difficult economic and financial circumstances it was cancelled by the Department of Education Building Unit in November 2011.

Project Status:

Project cancelled.



COADY REPORT ON THE 1974 MAIN BUILDING

Description:

The most pressing recommendation in this report was to replace the perished electric cables on the roof. These cables provide the main electrical supply to the building. The works carried out are outlined in this report under Current Works, Electrical & Mechanical Work.

Project Status:

Electrical & Mechanical work being progressed on site.



New Indoor Sports Facility

INDOOR SPORTS FACILITY

Description:

A feasibility study into the potential development of a new indoor sports provision at the Institute was undertaken to determine the priorities and levels of capital investment required for a phased development.

Project Status:

The final Feasibility Study was completed in June 2012 and presented to Governing Body.



CORK SCIENCE AND INNOVATION PARK

Description:

The Cork Science and Innovation Park (CSIP) is to be established at the western edge of the city boundary in Curraheen. The CSIP is expected to concentrate on green energy and research advancement that will complement the work being done by the various institutions such as the Rubicon Centre.

Project Status:

An implementation group has been established and a Masterplan and Business Plan developed.

CURRENT WORKS



PRD74 RETRO FIT PROJECT

Description:

The project has upgraded 310m² of the original 1974 building and made the space as close to a passive building as possible. The project provides a live, controlled test bed environment to explore energy and resource performance demonstrating zero energy use in an operating public sector building. Phase 2 provides for extending the cladding to the ground.

Project Status:

Phase 1 was completed in May, Phase 2 is due for completion in September.



CREATE BUILDING (PRTL)

Description:

The Centre for Research in Advanced Therapeutic Engineering project consists of the construction of a standalone two-storey building with a total area of 1,533m².

Project Status:

The design process was finalised in Spring 2012 and the project was issued for tender in June following a prequalification process of contractors.



REPATRIATION OF APPRENTICES A BLOCK EXTENSION

Description:

The project consisted of the construction of an extension of 820m² to the rear of A Block along with the refurbishment and re-modeling of a number of existing apprentice workshops within A Block to repatriate apprentices from Northpoint Business Park to Bishopstown campus.

Project Status:

Project was completed February 2012.

ELECTRICAL & MECHANICAL WORK



COADY REPORT - PHASE 1 1974 MAIN BUILDING UPGRADE WORKS

Description:

This project is part of the 1st phase of the implementation of the 1974 Coady Report. The upgrade of existing sub main cables serving the Main Building for present and future capacity demands, the upgrade of sub distribution boards, and construction of a pipe bridge linking the Main Building with the LV switchroom.

Project Status:

The contract documents were prepared during spring 2012 and tendered in early summer. The work commenced in July and is due for completion in October.



EXTENSION OF CIT CANTEEN FACILITIES (BISTRO)

Description:

Construction of a 200m² external plaza area with concrete paving, site furniture, planters and a sail roof.

Project Status:

The project started on site August 2012 and is due for completion in November 2012.



NEW ROAD STRUCTURE - UPGRADE OF A BLOCK CAR PARK

Description:

Realignment of road network and student car parking facilities with new entrance/exit barrier and associated site works.

Project Status:

The project started on site at the end of June 2012 and is due for completion in September 2012.



MELBOURN (TYCO) BUILDING REFURBISHMENT – PHASE 2

Description:

The work consists of a 4,000m² refurbishment of the old Tyco building, renamed the Melbourn Building. Phase 2 is now underway and includes works to accommodate an Examination Hall and the Department of Architecture.

Project Status:

Project is on site and due for completion at the end of November 2012.



TERRACING - MAIN SPORTS STADIUM AREA

Description:

The project consists of the construction of a steeped concrete terrace for spectator viewing at the CIT Sports Stadium which will increase the capacity of the stadium to approximately 5,500. There is large demand from Cork City and County clubs, schools and colleges for use of these facilities.

Project Status:

The work was completed in August 2012.



STORAGE FACILITY IN A BLOCK SERVICE YARD

Description:

Construction of a 360m² storage facility to be located in the service yard adjacent to A Block.

Project Status:

Planning permission, Fire Certificate and Disability Access Certificates have been granted. The project went out to tender at the end of June and has been put on hold since this date.



NEXUS ACOUSTIC UPGRADE

Description:

This project set out to improve the acoustic performance of the Nexus Hall to be used as a multipurpose venue predominately for use as a spoken word venue. This was achieved through the introduction of approximately 600m² of acoustic foam within the steel girders and along the full timber wall and automated acoustic blinds along the North and West walls.

Project Status:

The contract documents were prepared during spring 2012 and tendered in early summer. The work commenced in July and is due for completion in September.

4.5 Safety & Facilities Management

Health & Safety awareness continued to be a priority for the Institute during 2011/2012. This year the focus was on working closely with contractors in order to improve their safety documentation and safety standards while on CIT sites. Progress is being made with the contractors and the introduction of building specific roof access forms will help improve things further.

Full risk assessment of our water supplies was carried out and this was followed with water sampling for Legionella. This work highlighted areas that needed specific attention and these areas were immediately addressed. A Legionella monitoring programme is now in place.

Safety Committees

Regular safety committee meetings took place throughout the year in Bishopstown, NMCI, CIT CCAD and CIT CSM. Reviews of the Terms of Reference and membership of the Safety Committee are currently taking place. This is expected to be completed in early 2013.

Emergency Evacuation & Fire Alarm Testing

Emergency evacuation drills took place as scheduled at Bishopstown Campus, CIT CCAD, and NMCI during the academic year 2011/2012. All fire alarm and emergency lightings tests were completed and certified. Fire extinguisher and hose reel checks were completed as per the service agreement with all necessary replacements approved and completed. The CIT Fire Register is constantly updated to reflect these actions.

General Safety & Training

During the year, staff safety training courses were provided in the following areas: Emergency Medical Technician, Emergency First Responders (NMCI), Occupational First Aiders, Fire Warden Training (CCAD and CSM) Manual Handling, Hazard Identification and Risk Assessment, VDU and Workstation Ergonomics, Chemical Safety Awareness, Working at Height Awareness.

HeartSaver Automated External Defibrillators (AED) and Basic Life Support (BLS) training courses were run for both staff and students during CIT Safety Week with 140 people trained and returned to their communities with this life saving skill. Over the last 3 years almost 700 staff and students have been trained in the use of AED's through these events.

The CIT Emergency Response Team (ERT) consists of 21 members. This comprises of 1 Nurse, 3 Emergency Medical Technicians, 3 Emergency First Responders and 14 Occupational First Aiders. The team responded to 25 medical emergencies on the Bishopstown Campus last year as well as numerous fire alarm activations. The ERT members practice their skills for one hour most Friday afternoons during the academic year as part of their training programme.

The NMCI ERT is also working well and responding to callouts when requested. Four members of this team also qualified as Emergency First Responders this year.

Hazard Identification and Risk Assessments

A number of departments are working with safety consultants to complete their risk assessments while others continue to revise their hazard identification and risk assessment on an on-going basis, further risk assessment training was provided to staff when requested.



Nimbus Research Centre



5. Human Resources Report

Cork Institute of Technology

- 5.1 Human Resources Report
- 5.2 Staff Numbers
- 5.3 Staff Achievements

5.1 Human Resources Report

Staff Numbers

For the academic year 2011/2012, the Institute's headcount was 1,425 which equated to 962.29 Whole-Time Equivalents (WTE). The largest category of staff were the Academic Staff which accounted for 58% of the headcount (60% WTE).

All figures shown in this section have been taken from the Public Sector Quarterly Returns as at 31 December 2011.

Retirements

The following staff retired from service during the year:

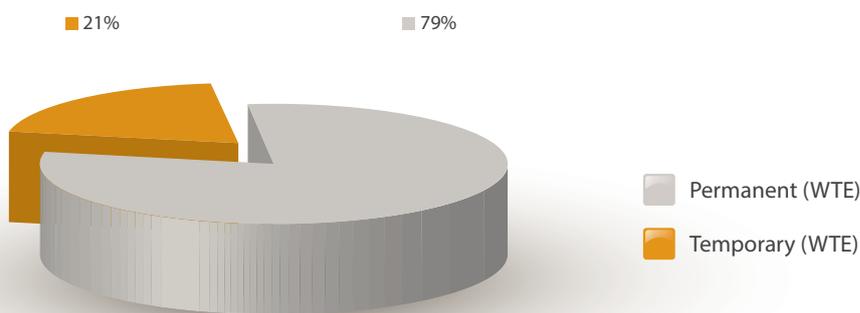
Pat Allen, Caretaker, Buildings & Estates
 Trudy Byron-Fahy, Pro-Rata Part-Time Lecturer, CIT CSM
 Kay Chesby, Cleaner, Buildings & Estates
 Helen Clancy, Lecturer, Department of Social & General Studies
 Captain John Clarence, Head, NMCI
 Mary Coleman, Lecturer, Department of Accounting & Information Systems
 Tony Conway, Lecturer, Department of Civil, Structural & Environmental Engineering
 Phil Copley, Technical Officer, Department of Process, Energy & Transport Engineering
 Bill Corr, Senior Lecturer, Department of Mechanical, Biomedical & Manufacturing Engineering
 Seán Cotter, Lecturer, Department of Applied Physics & Instrumentation
 Maureen Creed, Cleaner, Buildings & Estates
 Gary Cronin, Pro-Rata Part-Time Assistant Lecturer, CIT CSM
 Sue Cunliffe, Lecturer, CIT CCAD
 Billy Dillon, Head Caretaker, Buildings & Estates
 Patricia Dillon, Assistant Staff Officer, Department of Continuing Education
 Jim Doyle, Lecturer, Department of Computing
 Dr Brendan Doyle, Lecturer, Department of Chemistry
 Jacinta Duff, Lecturer, CIT CCAD
 Dr David Flannery, Acting Head of Department of Mathematics
 James Foley, Lecturer, Department of Construction
 John Gibson, Lecturer, CIT CSM
 Irene Greene, Cleaner, Building & Estates
 Richard Guinee, Lecturer, Department of Electrical & Electronic Engineering
 Seán Healy, Technical Officer, Department of Construction
 Seán Kelleher, Lecturer Structured, Centre of Craft Studies
 Tom Kenrick, Technical Officer, Department of Architecture
 Denis J. Kiely, Lecturer, Department of Accounting & Information Systems
 Tom Knox, Lecturer, Centre of Craft Studies
 Albert McGrath, Senior Lecturer, NMCI
 Seán McKiernan, Lecturer, CIT CSM
 Noel McMoran, Lecturer, CIT CCAD
 John P. Murphy, Senior Lecturer, Department of Civil, Structural & Environmental Engineering
 Andrew Murphy, Pro-Rata Part-Time Assistant Lecturer, Department of Accounting & Information Systems
 Clair Nadkar, Senior Staff Officer, Faculty of Engineering & Science
 Liam Noonan, Lecturer Structured, Department of Tourism & Hospitality Studies
 Doreen Nunan, Lecturer, Department of Tourism & Hospitality Studies
 Eric O'Brien, Senior Lecturer, Department of Management & Marketing
 Tony O'Callaghan, Lecturer, Centre of Craft Studies
 Tom O'Leary, Lecturer, Mathematics
 Barry O'Neill, Technical Officer, CIT CCAD
 John Rea, Higher Order Attendant, Department of Mechanical, Biomedical & Manufacturing Engineering
 Edmond Riordan, Deputy Registrar & Head of Academic Quality
 Vera Ryan, Senior Lecturer, CIT CCAD
 Jeanne Stynes, Senior Lecturer, Department of Computing
 Michael P Walsh, Senior Lecturer, Department of Management & Marketing
 Constantin Zanidache, Lecturer, CIT CSM

5.2 Staff Numbers

Total Staff Numbers

	WTE	Headcount
Permanent	756.82	834
Temporary	<u>205.47</u>	<u>591</u>
TOTAL	962.29	1,425

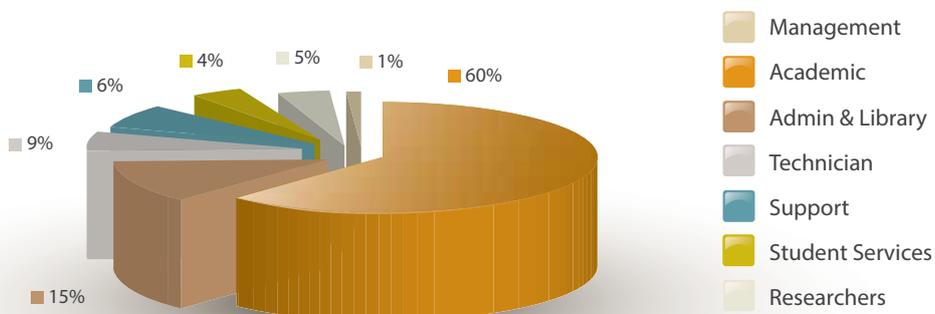
Total Staff Numbers (WTE)



Staff by Category

	WTE	Headcount
Management	10.00	10
Academic	580.80	824
Admin & Library	145.56	177
Technician	84.75	86
Support	53.89	89
Student Services	34.80	169
Researchers	<u>52.49</u>	<u>70</u>
TOTAL	962.29	1,425

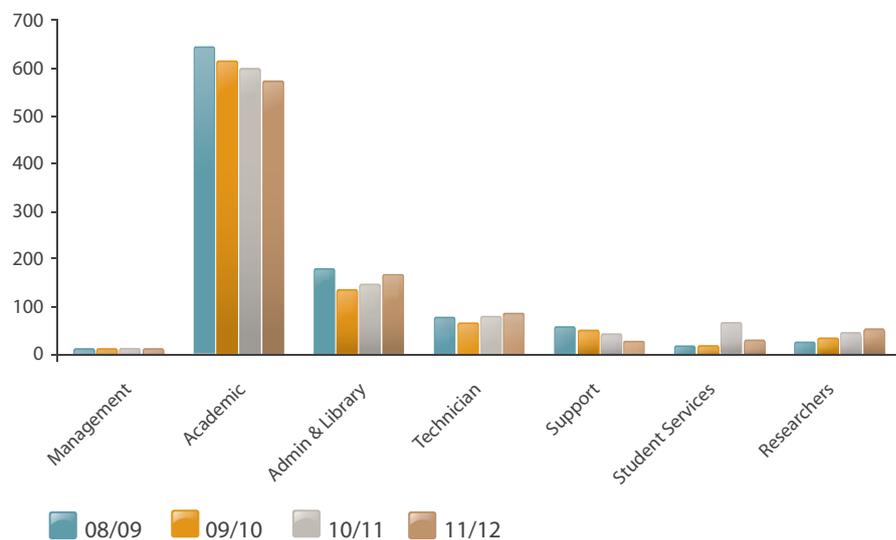
Staff by Category (WTE)



Staff Trends – 4 Year History

	08/09	09/10	10/11	11/12
Management	10.00	10.00	10.00	10.00
Academic	656.17	608.34	600.08	580.8
Administration & Library	148.84	136.08	138.46	145.56
Technician	80.76	77.87	80.73	84.75
Support	59.25	56.22	32.39	53.89
Student Services	29.14	29.71	57.77	34.80
Researchers	25.5	36.85	41.2	52.49
TOTAL	1,009.66	955.07	960.63	962.29

Staff Trends - 4 Year History (WTE)



5.3 Staff Achievements

Congratulations were extended to the following:

- Dr Eamonn Cashell, Head of School of Graduate Studies who was appointed Chair of the Committee for Chemical and Physical Sciences of the Royal Irish Academy.
- Dr Helen O'Shea on her appointment as External Examiner at the University of Cambridge and at University College Cork.
- CIT Extended Campus which was launched with the mission of supporting and stimulating all forms of engagement. It recognises that engagement has always been a significant part of CIT's mission and is focused on ensuring that engagement is made accessible for CIT's external partners. The following were the Extended Campus team:
 - Vera Barrett
 - Deirdre Goggin
 - Tim Horgan
 - Shirley Kingston
 - Colm Barry-Murphy
 - John P Murphy
 - Ros O'Brien
 - Ruth O'Donnell
 - Phil O'Leary
 - Dr Irene Sheridan
- Dr Roy Sleator, Lecturer, Department of Biological Sciences and Dr Paul Walsh, Lecturer, Department of Computing whose project was successful in its application for the FP7 programme for research funding.
- Damien Courtney, Head of Faculty of Business & Humanities who was a member of the first Social Workers Registration Board, Health & Social Care Professionals Council 2010-12.
- Ger Culley, IT Manager and his team in IT Services on winning the Best IT Department at the it@cork Leaders Awards.
- Brian O'Rourke, Lecturer, Department of Civil, Structural & Environmental Engineering who was appointed Vice-Chairman of the Irish Concrete Society.
- Staff involved in the organisation of the Institute's Charity Gala Ball in aid of Cork LIFE Centre, raising over €5,000.
- Dr Shane O'Rourke, Lecturer, Department of Mathematics on the publication of his paper titled: "*Affine actions on non-Archimedean trees*", in the International Journal of Algebra and Computation.
- Dr Helen O'Shea, Lecturer, Department of Biological Sciences on being appointed to the Biological Safety Sub-Committee of the Food Safety Authority of Ireland.
- Dr Áine de Róiste, Lecturer, Department of Social & General Studies on the following:
 - Co-editing the special issue of the Irish Journal of Applied Social Studies with Prof. F Powell, UCC.
 - Co-writing a chapter entitled "Early interventions in early childhood care and education" published in the book "Early Childhood Education and Care" with Ms M Gilmore, Sligo Institute of Technology.
- Dr Declan O'Connor, Lecturer, Department of Mathematics who was an invited speaker at the seminar 'Diary Financial Price Risk Management' organised by the Irish Creamery Co-operative Society (ICOS) and FCStone.
- John Justin Murphy, Senior Lecturer, Department of Civil, Structural & Environmental Engineering who was re-appointed to the Membership and Qualifications Board of Engineers Ireland.
- Dr Josh Reynolds, Lecturer, Department of Applied Physics and Instrumentation on his involvement and participation in the detection of pulsed gamma-ray emission from the Crab Pulsar at energies far beyond what current theoretical models of pulsars can explain.
- Dr Shane O'Rourke, Lecturer, Department of Mathematics who completed four years of service as Secretary of the Irish Mathematical Society.
- Roseanne Lynch, Lecturer, CIT CCAD on winning the inaugural Alliance Francaise Photography Award.
- Damien Courtney, Head of Faculty of Business & Humanities who was a member of the Central Statistics Office's Population and Labour Force Projections Expert Group 2012-13.
- The CIT Sustainable Campus programme on the publication of their "How to Green your Campus or workplace – a step by step guide" to help other third-level campuses implement their own sustainable campus programme.

- The Staff and Students in the Department of Tourism & Hospitality Studies were involved in the series of cookery demonstrations which raised a total of €8,345 for charity.
- The Reap CIT team on the publication of the REAP report on 'Customised Learning Development – An Exploration of Practice' which was edited by Dr Irene Sheridan and John P Murphy, CIT Press 2012.
- Debbie Dawson, Lecturer, CIT Crawford College of Art & Design who curated and installed exhibition 'Poetics of the Handmade' glass work by Prof Xiao Wei Zhuang of the Fine Arts College at Shanghai University in the National College of Art & Design Gallery, Dublin. Ms Dawson is also the current Chair of Glass Society of Ireland.
- Tim Horgan, Head of Cloud Computer Centre of Excellence on the nomination of the Masters in Cloud Computing for the Postgraduate course of the year as part of the sixth annual Postgrad Ireland Graduate Recruitment Awards. The one-year Masters programme was developed in partnership with EMC and contributes to CIT's drive as a Cloud Computing Centre of Excellence.
- Dr Irene Sheridan, Extended Campus on her paper in collaboration with Muiris O'Connor, HEA titled 'Towards a National Approach to Engagement in Irish Higher Education' for the conference on Entrepreneurial Universities 2012.
- Pádraig Trehy, Lecturer, CIT Crawford College of Art & Design who was awarded production funding by the following:
 - Irish Film Board for experimental feature film about James Joyce and John McCormack
 - The Broadcasting Authority of Ireland for a documentary about the Cork sculptor, Séamus Murphy

Mr Trehy was a Board member of The Munster Literature Centre and participated in various industry invitations, public lectures and talks at Festivals during the year.
- CIT Extended Campus was shortlisted for the 2012 University Industry Innovation Network Award for 'partnership development of customised learning solutions to meet specific enterprise learning needs. CIT was the only Irish Institute on the short-list of ten which included the University of California, Berkeley, and Tohoku University in Japan.
- Tim Horgan, Head of Cloud Computing Centre of Excellence and Department of Computing who has continued to pioneer course development in collaboration with enterprise in emerging technological areas. In addition to the Masters and Bachelor programmes in Cloud Computing, the Cloud Computing Centre of Excellence led the development of two conversion programmes under the HEA ICT Skills call. These courses, the Higher Diploma in Cloud Computing and the Higher Diploma in Cloud Mobile Software Development, attracted over 219 applicants for 80 places. The courses were developed in partnership with local and national enterprise and have been very well received.
- James Hayes, Lecturer, CIT Crawford College of Art & Design who was awarded the Per Cent for Art – Sculpture Commissions at Ardscoil Rís, Limerick in association with Healy & Rice Architects, Limerick and The IRON-R Project – Research Award in association with the National Sculpture Factory & Coleg Sirgar (formerly the West Wales school of the Arts), Wales. James also participated in the International Contemporary Art Project-HYBRID at Redline Contemporary, Denver, Colorado, USA.
- Dr Niamh Power, Lecturer, Department of Civil, Structural & Environmental Engineering who was a member of the organising Committee for the Irish Transport Network Conference 2011.
- Dr Guillaume Huyet who was an invited speaker the following meetings/conferences:
 - I-Now Summer School organised by the Universities of California Berkeley and Stanford and at the International Symposium on Compound Semiconductors
 - Laser Dynamics workshop organised at the Weierstrass Institute in Berlin
 - European Optical Society Annual Meeting in Aberdeen in August.
- Seán F O'Leary, Senior Lecturer, Department of Mechanical, Biomedical and Manufacturing Engineering who received the following awards during the year:
 - The ESB Outstanding Contribution to Engineering Award 2011 at the Engineers Ireland Excellence Awards on 4 November
 - The CIT Innovative Product Development Laboratories major submission "Engineering an Innovation Eco-System", authored by Seán was declared the winner of the "Best in Class" Engineering Education Inaugural National Award 2011 at the Engineers Ireland Excellence Awards on 4 November
 - Enterprise Ireland/Invest Northern Ireland Academic Innovation Award Winner 2012 on 7 June

- Staff at the CIT Crawford College of Art & Design whose work featured in recent exhibitions and workshops at national and international level:
 - Debbie Dawson
 - Pamela Hardesty
 - James Hayes
 - Jesse Jones
 - Catherine Hehir
 - Roseanne Lynch
 - Dr Ailbhe Ní Bhriain
- Staff Members who were conferred include:
 - Cornelius Burns, Doctor of Philosophy in Health & Physical Activity Promotion
 - Dan Collins, Doctor of Philosophy in Education
 - Gail Cotter-Buckley, Master of Business
 - John Cronin, MSc in Building Conservation
 - Kyra Dunne, Bachelor of Business in Management
 - Emma Fitton, Higher Certificate in Business and Bachelor of Business in Accounting
 - Simon Knowles, Doctor of Philosophy in Art History
 - Ray Looney, Master of Business in Administration
 - Julie Meighan, Diploma in Post-Graduate Play Therapy
 - Emmanuel Pican, Doctor of Philosophy
 - Leslie Ruddock, Master of Science in Networking & Security
 - Irene Sheridan, Doctor of Philosophy in Professional Studies
 - Ann Wilson, Doctor of Philosophy in Art/Design History

New Appointments

The following staff were confirmed for appointment during the academic year 2011/12:

- Denise Barnett, Assistant Lecturer, Department of Civil, Structural & Environmental Engineering
- Dr Marie Begley, Assistant Lecturer, Department of Biological Sciences
- Ronan Bonner, Technical Officer, School of Building & Civil Engineering
- Dr Judith Butler, Pro-Rata Part-Time Assistant Lecturer, Department of Social & General Studies
- Andrew Cashman, Assistant Lecturer, Department of Mechanical, Biomedical & Manufacturing Engineering
- Dr Stephen Cassidy, Dean of Academic Quality & Enhancement
- Una Coakley, Assistant Lecturer, Department of Social & General Studies
- Donagh Davern, Lecturer, Department of Tourism & Hospitality Studies
- William Doherty, Assistant Lecturer, Department of Chemistry
- Kyra Dunne, Staff Officer, Office of the Vice President for Development
- Irene Griffin, Technical Officer, IT Services
- John Hartnett, Assistant Lecturer, Department of Tourism & Hospitality Studies
- Dr John Hobbs, Assistant Lecturer, Department of Management & Marketing
- Tim Horgan, Head of Cloud Computing Centre of Excellence
- Conor Kelleher, Pro-Rata Part-Time Assistant Lecturer, Department of Management & Marketing
- Wendy Kenny, Cleaning Supervisor, Buildings & Estates
- Tadhg Leane, Head of Strategic Development
- Dr Áine Ní Shé, Head of Department of Mathematics
- Ros O'Brien, Project Administrator, Extended Campus
- Gerard O'Connor, Head Caretaker, Buildings & Estates
- Dr Fiona O'Halloran, Assistant Lecturer, Department of Biological Sciences
- Josephine O'Halloran, Assistant Lecturer, Department of Accounting & Information Systems
- Conchubhar Ó Luasa, Technical Officer, School of Science & Informatics
- Mervyn O'Mahony, Communications & Marketing Officer
- Dr Michael J. O'Mahony, Head of Department of Process, Energy & Transport Engineering
- Orla O'Shea, Assistant Staff Officer, Department of Continuing Education
- Dr Eammanuel Pican, Assistant Lecturer, Department of Electrical & Electronic Engineering
- Anne Rodgers, Assistant Lecturer, Department of Architecture
- Ruth Turnbull, Staff Officer, National Maritime College of Ireland
- John Twohig, Head of Centre of Craft Studies



6. Finance Report

Cork Institute of Technology

- 6.1 Financial Report
- 6.2 Audited Accounts 2011/2012

6.1 Financial Report

This financial report covers the period from 1 September 2011 to 31 August 2012 and attests to the continued prudent financial management of the Institute. During the period, income increased by 3.3% with costs increasing at a lower rate of 1.2%. Income from Research Grants and Contracts increased by 5.6% and the number of whole time equivalent students also increased during the period, but at a slower rate than previous years at 1.4%.

Income

Income increased by €3.1m from €92.1m to €95.2m. Tuition fees and student contributions rose by €2.4m, research grants and contracts increased by €0.7m and other income and interest amounted to €1.1m. The State Grant fell by €1.1m in the period to €39.9m.

Current Expenditure

The Institute's total current expenditure rose by 1.2% to €92m. The direct costs of academic departments and research activity remained constant at 73% (€67.1m). In terms of indirect costs and overheads, premises costs increased from 9.3% to 9.6% (€8.9m) and student services and supports increased marginally to 3.5% (€3.2m). Central Administration and Academic Support Services accounted for 13.9% (€12.8m.)

Staffing Costs

The Institute's pay remained relatively static during 2012 and now stands at €61.5m compared with €61.7m in 2011. Staff costs represent 67% of all expenditure and the average number of employees fell during the period by 4.5% from 1,179 to 1,126.

Student Numbers

The number of whole-time equivalent students rose at a slower rate of 1.4% from 8,662 to 8,793 during the period.

Research & Development

Income from Research, Development and Self-Funding Activities grew by 5.6% to €15.7m inclusive of capital costs. The increase in expenditure was accounted for by staff costs rising from €5.1m to €5.9m reflecting the Institute's continuing investment in building research capacity and an increase in payments to project partners.

Reserves

For the year ending 31 August 2012, the Institute had an operating surplus of €260k net of transfers to the Capital Development Reserve and an accumulated surplus is €466k. The balance on the Capital Development Reserve at 31 August 2012 is €6.9m, a net increase of €2.2m over the previous year. A number of approved projects funded from this reserve are planned to commence in the next year.

6.2 Audited Accounts 2011/12

Statement on Internal Control

Statement of Institute Responsibilities

Comptroller and Auditor General – Report for presentation to the Houses of the Oireachtas

Statement of Accounting Policies

Consolidated Income and Expenditure Account

Balance Sheet

Cash Flow Statement

Notes to the Financial Statements

6.2.1 Statement on Internal Control

The Governing Body acknowledges its responsibility for ensuring that an effective system of internal control is maintained and operated in the Institute and for putting in place processes and procedures for the purpose of ensuring that the system is effective.

The system can provide only reasonable and not absolute assurance that assets are safeguarded, transactions authorised and properly recorded, and that material errors or irregularities are either prevented or would be detected in a timely period.

Key Control Procedures

The Governing Body has taken steps to ensure an appropriate control environment is in place by:

- Clearly defining management responsibilities
- Developing procedures and regulations which are reviewed regularly and are documented, implemented and up to date
- Establishing formal procedures through various committee functions to monitor the activities and safeguard the assets of the organisation (Audit Committee/Finance Committee/Strategic Development Committee)
- Adopting a Good Practice Guidelines Document which include clear terms of reference for Governing Body Committees
- Developing a strong culture of accountability across all levels of the organisation

Cork Institute of Technology has developed processes to identify and evaluate business risks. This is achieved in a number of ways including:

- Developing an Essential Activities & Process Model to facilitate management and the Governing Body in identifying the key activities and the processes in place to manage its operations effectively
- Adoption of a Risk Management Policy
- Identifying key risks, risk owners and the controls to mitigate these risks
- Developing annual and longer term targets and reporting on results achieved
- Implementation of an Internal Control Framework
- A comprehensive budgeting system with an annual budget which is reviewed and agreed by the Governing Body
- Regular reviews by the Governing Body and its committees of periodic and annual financial reports which indicate financial performance against forecasts
- Setting targets to measure financial and other performances
- Clearly defined capital investment control guidelines

Cork Institute of Technology has an outsourced internal audit function, which in accordance with the Internal Audit Terms of Reference approved by the Governing Body and the Code of Governance of Irish Institutes of Technology. An Internal Audit Plan is approved by the Audit Committee annually. The plan takes account of areas of potential risk identified in a risk assessment exercise carried out with management at the start of the current planning cycle. Reports are provided to the Audit Committee on assignments carried out. These reports highlight deficiencies or weaknesses, if any, in the system of internal control and the recommended corrective measures to be taken where necessary. The Audit Committee receives regular reports on the status of issues raised.

The Governing Body's monitoring and review of the effectiveness of the system of internal financial control is informed by the work of the Institute Executive and Management who have responsibility for the development and maintenance of the internal control framework, the Audit Committee, Internal Auditor, and comments made by the Comptroller and Auditor General in his management letter.

We confirm that the Governing Body conducted a review of the effectiveness of the system of internal controls for the year ended 31 August 2012 in July 2012.

Signed on behalf of the Governing Body



Bob Savage
Chairman



Dr Brendan J. Murphy
President

6.2.2 Statement of Institute Responsibilities

The Institutes of Technology Acts 1992 to 2006 require the Institute to prepare financial statements in such form as may be approved by the Higher Education Authority and to submit them for audit to the Comptroller and Auditor General. In preparing these financial statements, the Institute is required to:

- select suitable accounting policies and then apply them consistently
- make judgements and estimates that are reasonable and prudent
- prepare the financial statements on the going concern basis, unless that basis is inappropriate
- disclose and explain any material departures from applicable accounting standards

The Institute is responsible for keeping proper books of account which disclose with reasonable accuracy at any time the financial position of the Institute and which enable it to ensure that the financial statements comply with the Institutes of Technology Acts 1992 to 2006. The Institute is also responsible for safeguarding its assets and for taking reasonable steps for the prevention and detection of fraud and other irregularities.



Bob Savage
Chairman



Dr Brendan J. Murphy
President

6.2.3 Comptroller and Auditor General Report for presentation to the Houses of the Oireachtas

Cork Institute of Technology

I have audited the financial statements of Cork Institute of Technology for the year ended 31 August 2012 under the Institutes of Technology Acts 1992 to 2006. The financial statements, which have been prepared under the accounting policies set out therein, comprise the statement of accounting policies, the consolidated income and expenditure account, the consolidated balance sheet, the cash flow statement and the related notes. The financial reporting framework that has been applied in their preparation is the Institutes of Technology Acts 1992 to 2006 and generally accepted accounting practice in Ireland.

Responsibilities of the Institute

The Institute is responsible for the preparation of the financial statements, for ensuring that they give a true and fair view of the state of the Institute's affairs and of its income and expenditure, and for ensuring the regularity of transactions

Responsibilities of the Comptroller and Auditor General

My responsibility is to audit the financial statements and report on them in accordance with the Institutes of Technology Acts 1992 to 2006.

My audit is conducted by reference to the special considerations which attach to bodies in receipt of substantial funding from the State in relation to their management and operation.

My audit is carried out in accordance with the International Standards on Auditing (UK and Ireland) and in compliance with the Auditing Practices Board's Ethical Standards for Auditors.

Scope of audit of the financial statements

An audit involves obtaining evidence about the amounts and disclosures in the financial statements, sufficient to give reasonable assurance that the financial statements are free from material misstatement, whether caused by fraud or error. This includes an assessment of

- whether the accounting policies are appropriate to the Institute's circumstances, and have been consistently applied and adequately disclosed
- the reasonableness of significant accounting estimates made in the preparation of the financial statements, and
- the overall presentation of the financial statements.

I also seek to obtain evidence about the regularity of financial transactions in the course of audit.

Opinion on the financial statements

In my opinion, the financial statements, which have been properly prepared in accordance with generally accepted accounting practice in Ireland, give a true and fair view of the state of the Group's affairs at 31 August 2012 and of its income and expenditure for the year then ended.

In my opinion, proper books of account have been kept by the Institute. The financial statements are in agreement with the books of account.

Matters on which I report by exception

I report by exception if

- I have not received all the information and explanations I required for my audit, or
- my audit noted any material instance where money have not been applied for the purposes intended or where the transactions did not conform to the authorities governing them, or
- the Statement on internal Control does not reflect the Institute's compliance with the Code of Governance of Irish Institutes of Technology, or
- I find there are other material matters relating to the manner in which public business has been conducted.

I have nothing to report in regard to those matters.

Seamus McCarthy

Comptroller and Auditor General

19 June 2013

6.2.4 Statement of Accounting Policies for the year ended 31 August 2012

The significant accounting policies applied by Cork Institute of Technology are as follows:

1. Basis of Preparation

The financial statements are prepared in accordance with generally accepted accounting principles in Ireland and the United Kingdom under the historical cost convention (except for certain assets which are included at valuation) and with the requirements of the Higher Education Authority. CIT Innovation Centre Limited and Cosmos Education Limited are included in the Consolidated Financial Statements. On the basis of immateriality separate Institute and consolidated balance sheets are not provided. CIT Student Services Company Limited has not been included in the Consolidated Financial Statements.

2. Recognition of Income

State Grants:

Recurrent grants from the Higher Education Authority and other bodies are recognised in the period in which they are receivable.

Non-recurrent grants from the Higher Education Authority or other bodies received in respect of the acquisition or construction of fixed assets are treated as deferred capital grants and amortised in line with depreciation over the life of the assets.

Devolved Grants:

The Minister for Education and Skills introduced a scheme to devolve responsibility to the Institute for Summer and other Capital Works. Where devolved grant monies, in respects of this scheme, have not been expended they are treated as deferred income, provided the projects to which they are committed have been approved by the Governing Body, are fully defined, time phased and with estimates of costs.

In all other cases devolved grant funding is recognised in the period received.

Research Grants and Contracts

Income from Research Grants and contracts is matched to expenditure and is included in the income of the year in which the related expenditure has been incurred.

All research income and expenditure is shown under the headings 'Research Grants and Contracts.'

Fee Income:

Fee Income is accounted for on an accruals basis.

Interest Income:

All income from short term deposits is credited to the income and expenditure account in the period in which it is earned.

3. Ancillary Activities

The financial statements of certain entities do not form part of the accounts of the Institute. These statements are audited by independent auditors. Note 23 sets out information on ancillary activities including Income, Expenditure and Summary Balance Sheet.

4. Stocks

Expenditure on books and consumable stocks is charged to the Income and Expenditure account as incurred. Stocks shown in the balance sheet relates to merchandise in Cosmos Education Limited at 31 August 2012.

5. Fixed Assets and Depreciation

Fixed assets, with the exception of land, are stated at historical cost or valuation less accumulated depreciation. Land is stated at historical cost or valuation.

(a) Cost or Valuation

Fixed assets in existence on 1 January 1993 (date of commencement order) are stated at valuation. The basis of valuation of land and buildings is set out at Note 14. Subsequent additions are stated at cost.

Buildings under construction are accounted for at cost based on the value of the architect's certificates and other direct costs incurred to the financial year end. They are not depreciated until they are brought into use.

(b) Equipment

All equipment valued at €3,000 and over is capitalised.

(c) Depreciation

All assets purchased before 1 September 2009 and capitalised will continue to be treated as fixed assets and depreciated to the end of their useful life.

Depreciation is provided on fixed assets, excluding land on a straight line basis so as to write off their historical costs or valuations over their estimated useful lives as follows:

	Years
Buildings	30-50
Prefabricated buildings, fixtures, plant and machinery	10
Mainframe Computers	7
Other computer equipment	3
Educational and administrative equipment	5
Furniture	5
Motor Vehicles	5

Computer Equipment purchased before 1 September 2010 will continue to be depreciated on the basis of a four year life straight line depreciation policy. Computer equipment purchased after that date will be depreciated on a three year life straight line basis.

All equipment funded from Research Grants and Contracts is depreciated over the life of the asset in line with the policy for all other Fixed Assets.

Leased Land and Buildings are depreciated over the life of the lease.

6. Foreign Currencies

Transactions denominated in foreign currencies are translated into Euro and recorded at the rates of exchange ruling at the dates of the transactions. Monetary assets and liabilities denominated in foreign currencies are translated into Euro at the rates of exchange ruling at the Balance Sheet date.

7. Pensions

All pension entitlements of staff are conferred under a defined benefits scheme established under the Local Government (Superannuation) Act, 1980 and pension obligations are met by the Exchequer as they arise.

The superannuation scheme is operated on a Pay As You Go basis and therefore superannuation deductions made from the employees are retained by the Institute, as an agreed part of its funding.

The Institute does not make contributions towards the scheme and has no obligation in respect of entitlements.

8. Deferred Capital Grants

Deferred Capital Grants represent the amortised value of accumulated funds allocated for fixed assets.

9. Capital Development Reserve

The Capital Development Reserve represents funds set aside by the Institute for specified capital development purposes. Such funds arise from student registration fees, non-state capital donations, banking facility fees and transfers from Revenue Reserves, in the latter case which have had the prior approval of the Higher Education Authority, together with bank interest earned on these monies. Such funds shall be retained in the Capital Development Reserve Account provided the defined projects to which they are committed are in line with the Institute's Capital Development Plan, have been approved by the Governing Body, time phased and with estimates of costs.

10. Leased Assets

Rentals under operating leases are charged to the Income and Expenditure account in the period in which the expenditure is incurred.

6.2.5 Consolidated Income and Expenditure Account for year ended 31 August 2012

INCOME	NOTE	2012 €000	2011 €000
State Grant	1	39,900	41,056
Tuition Fees	2	28,489	26,138
Amortisation of Deferred Capital Grants	17	6,130	6,016
Research Grants and Contracts	3	14,736	13,957
Other Income	5	4,621	4,023
Student Support Funding Income recognised	4	530	375
Interest Income		<u>867</u>	<u>577</u>
		<u>95,273</u>	<u>92,142</u>
EXPENDITURE			
Academic Departments	6	50,157	51,630
Academic Services	7	2,570	2,126
Facilities Costs	8	7,543	7,228
Central Administration and Services	9	8,228	8,397
General Educational Expenses	10	597	733
Student Services	11	1,932	1,806
Research Grants and Contracts	3	14,336	12,657
Student Support Funding Income applied	4	530	375
Depreciation	14	<u>6,124</u>	<u>5,995</u>
	12	<u>92,017</u>	<u>90,947</u>
Operating Surplus		3,256	1,195
Taxation	13	(6)	-
Transfer to Capital Development Reserve	18	(3,095)	(2,010)
Transfer from Capital Development Reserve	18	105	176
Accumulated Surplus at 1st September		<u>206</u>	<u>845</u>
Accumulated Surplus at 31st August		<u>466</u>	<u>206</u>

There are no recognised gains or losses other than those dealt with in the Income and Expenditure Account.

The Statement of Accounting Policies, Cash Flow Statement and Notes 1-28 form part of the financial statements.

Signed on behalf of the Governing Body



Bob Savage
Chairman



Dr Brendan J. Murphy
President

6.2.6 Consolidated Balance Sheet as at 31 August 2012

	NOTE	2012 €000	2011 €000
FIXED ASSETS	14	109,345	107,886
INVESTMENTS	24	50	50
		<u>109,395</u>	<u>107,936</u>
CURRENT ASSETS			
Debtors & Prepayments	15	5,919	6,329
Stock		4	4
Cash at bank and in hand		<u>20,476</u>	<u>18,080</u>
		<u>26,399</u>	<u>24,413</u>
CURRENT LIABILITIES			
Creditors and Accrued Expenses - amounts falling due within one year	16	<u>19,066</u>	<u>19,567</u>
NET CURRENT ASSETS		<u>7,333</u>	<u>4,846</u>
NET ASSETS		<u>116,728</u>	<u>112,782</u>
Represented by			
Deferred Capital Grants	17	109,345	107,886
Income and Expenditure Account		466	206
Capital Development Reserve	18	<u>6,917</u>	<u>4,690</u>
		<u>116,728</u>	<u>112,782</u>

The Statement of Accounting Policies, Cash Flow Statement and Notes 1-28 form part of the financial statements.

Signed on behalf of the Governing Body



Bob Savage
Chairman



Dr Brendan J. Murphy
President

6.2.7 Cashflow Statement for the year ended 31 August 2012

	2012 €000	2011 €000
Reconciliation of operating surplus to net cash inflow from operating activities		
Operating Surplus	3,256	1,195
Interest Income	(867)	(577)
Depreciation	6,124	5,995
Amortisation in line with asset depreciation	(6,130)	(6,016)
Loss on Disposal of Fixed Assets	6	21
Taxation	(6)	-
Increase in Stock	-	(4)
Decrease in Debtors	410	7,325
Decrease in short term Creditors	(501)	(1,925)
Net Cash Inflow from Operating Activities	<u>2,292</u>	<u>6,014</u>
<hr/>		
Cashflow Statement		
Net Cash Inflow from Operating Activities	<u>2,292</u>	<u>6,014</u>
Interest Received	867	577
Capital Expenditure		
Payments to acquire Fixed Assets	(7,589)	(2,237)
<i>Net Cash Outflow for capital expenditure</i>	<u>(7,589)</u>	<u>(2,237)</u>
Financing		
State Capital Grants spent on Fixed Assets	2,987	434
State Recurrent Grants spent on Fixed Assets	2,753	961
Other funds spent on Fixed Assets	1,086	598
<i>Net Cash Inflow from Financing</i>	<u>6,826</u>	<u>1,993</u>
Increase in Cash	2,396	6,347
<hr/>		
Reconciliation of net cash flow to movement in net funds		
Increase in Cash	2,396	6,347
Net opening funds	18,080	11,733
Net Funds at 31 August	<u>20,476</u>	<u>18,080</u>

The Statement of Accounting Policies, Cash Flow Statement and Notes 1-28 form part of the financial statements.

Signed on behalf of the Governing Body



Bob Savage
Chairman



Dr Brendan J. Murphy
President

6.2.8 Notes to the Financial Statements

1. STATE GRANTS

	Allocated for recurrent expenditure	Allocated for capital expenditure	Total 2012	Total 2011
	€000	€000	€000	€000
State grant for recurrent expenditure – HEA	39,093	2,753	41,846	41,459
State grant for capital expenditure - DOES	550	1,728	2,278	206
State grant for minor capital works - DOES	<u>257</u>	<u>1,259</u>	<u>1,516</u>	<u>786</u>
Total - 2012	<u>39,900</u>	<u>5,740</u>	<u>45,640</u>	<u>42,451</u>
Total - 2011	<u>41,056</u>	<u>1,395</u>	<u>42,451</u>	

The total cost of certain Higher Certificate and Ordinary Degree courses is subvented by the European Social Fund (ESF) at national level. State Grants for Recurrent Expenditure are partly funded from this EU assistance.

2. TUITION FEES

	2012	2012	2011	2011
	Student No (WTE)	€000	Student No (WTE)	€000
Fees Paid by State	6,146	8,993	5,971	11,505
Non-EU Fees	114	601	107	442
Fees paid by students or on behalf of students	1,074	2,030	1,061	1,545
Life Long Learning and Other Fees	1,459	4,154	1,529	3,289
Student Contribution	<u>8,793</u>	<u>12,711</u>	<u>8,668</u>	<u>9,357</u>
		<u>28,489</u>	<u>8,668</u>	<u>26,138</u>

The HEA paid tuition fees in the year of €6.175m for full time degree courses and €2.818m for higher certificate and ordinary degree courses, the total costs of which are part funded by the ESF.

Student numbers are stated as wholetime equivalents, based on enrolled credits.

3. RESEARCH GRANTS AND CONTRACTS

	2012 €000	2011 €000
Income		
Income	15,773	14,540
Transfer to Capital Account	<u>(1,037)</u>	<u>(583)</u>
	<u>14,736</u>	<u>13,957</u>
Expenditure		
Staff Costs	5,986	5,098
Non Pay Costs		
Materials & Other Consumables	573	602
Computer Costs	235	145
General Education	1,253	1,643
Services to Students	1	1
Research Costs	112	-
Project Partners	2,035	396
Equipment	318	310
Premises Costs	758	1,252
Travel & Subsistence	931	1,026
Personnel Costs	190	247
Professional Fees	1,521	1,552
Communications	62	63
Stationery & Office Materials	226	210
General Advertising & Publicity	91	78
Insurance	3	5
Finance Costs	27	14
Other	<u>14</u>	<u>15</u>
	<u>14,336</u>	<u>12,657</u>
Net Outcome	<u>400</u>	<u>1,300</u>

Included in the Research Grant and Contract Income is an amount of €625,000 in respect of overhead recovery. The balance represents direct costs recovered for research work undertaken as outlined under Expenditure headings above.

4. STUDENT SUPPORT FUNDING

	Disabilities	Student Assistance	2012 €000	2011 €000
Balance at 1 September 2011	268	38	306	285
Receipts				
Higher Education Authority	107	404	511	396
Allocated to Self Funding	(15)	-	(15)	-
	92	404	496	396
Amounts Applied – Pay & Non Pay	224	306	530	375
Balance at 31 August 2012	<u>136</u>	<u>136</u>	<u>272</u>	<u>306</u>

Funding is provided by the Higher Education Authority under the National Development Plan and is part funded by the European Social Fund.

5. OTHER INCOME

	2012 €000	2011 €000
Superannuation Deductions Retained	3,741	3,805
Rental of Facilities	5	13
Proceeds from Sale of Equipment	22	23
Insurance Claims	-	18
State grant - HEA	331	-
Sundry Income	<u>522</u>	<u>164</u>
	<u>4,621</u>	<u>4,023</u>

6. ACADEMIC DEPARTMENTS**Staff**

Teaching	38,951	40,643
Technical	4,247	3,567
Administration and Support	2,283	2,815
	<u>45,481</u>	<u>47,025</u>

Non Pay Costs

Materials & Other Consumables	863	1,088
Library Materials	117	110
Computer Costs	376	196
General Education	126	79
Equipment	746	881
Premises Costs	441	562
Travel & Subsistence	510	375
Personnel Costs	276	287
Professional Fees	448	328
Communications	111	115
Stationery & Office Materials	499	480
General Advertising & Publicity	113	71
Finance Costs	16	11
Other	34	22
	<u>4,676</u>	<u>4,605</u>

Total

	<u>50,157</u>	<u>51,630</u>
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7. ACADEMIC SERVICES

	2012 €000	2011 €000
Staff		
Library & Computer Staff	1,751	1,506
Non Pay Costs		
Materials & Other Consumables	3	4
Library Materials	85	77
Computer Costs	322	337
Equipment	132	2
Premises Costs	88	35
Travel & Subsistence	20	11
Personnel Costs	35	32
Professional Fees	115	66
Communication	10	46
Stationery & Office Materials	9	10
	<u>819</u>	<u>620</u>
Total	<u>2,570</u>	<u>2,126</u>

8. FACILITIES COSTS

Staff		
Caretakers, Cleaning, Maintenance	1,562	1,586
Non Pay Costs		
Materials & Other Consumables	14	15
Computer Costs	192	176
Equipment	104	28
Premises Costs	5,228	4,974
Travel & Subsistence	2	4
Personnel Costs	9	2
Professional Fees	389	368
Communications	14	41
Stationery & Office Materials	23	13
Loss on Fixed Asset Disposal	6	21
	<u>5,981</u>	<u>5,642</u>
Total	<u>7,543</u>	<u>7,228</u>

9. CENTRAL ADMINISTRATION AND SERVICES

	2012	2011
	€000	€000
Staff		
Administration	5,147	4,940
Non Pay Costs		
Materials & Other Consumables	34	47
Computer Costs	51	82
Project Partners	-	100
Equipment	62	131
Premises Costs	139	87
Travel & Subsistence	234	282
Personnel Costs	589	634
Professional Fees	989	1,178
C & AG Audit Fee	28	28
Communications	70	94
Stationery & Office Materials	259	256
General Advertising & Publicity	268	125
Insurance	305	376
Finance Costs	50	31
Other	3	6
	<u>3,081</u>	<u>3,457</u>
Total	<u>8,228</u>	<u>8,397</u>

10. GENERAL EDUCATION EXPENSES

Staff		
Student Support	529	612
Non Pay Costs		
Other Expenses	68	121
Total	<u>597</u>	<u>733</u>

11. STUDENT SERVICES

	€000	2011 / 2012	€000	2011
		€000	€000	€000
	Staff Costs	Non Pay	Total	
Subvention to Clubs, Societies and Students' Union	558	414	972	906
Student Services	179	161	340	219
Careers Advisory Services	116	164	280	307
Sports and Recreation	46	60	106	108
Health & Counselling	104	130	234	266
	<u>1,003</u>	<u>929</u>	<u>1,932</u>	<u>1,806</u>

12. ANALYSIS OF EXPENDITURE

	Staff Costs	Depreciation	Other operating expenses	2012	2011
	€000	€000	€000	€000	€000
Research Grants and Contracts	5,986	1,329	8,350	15,665	13,895
Academic Departments	45,481	1,294	4,676	51,451	52,925
Academic Support Services	1,751	560	819	3,130	2,660
Facilities Costs	1,562	1,329	5,981	8,872	8,506
Central Administration and Services	5,147	1,438	3,081	9,666	9,851
General Education Expenses	529	-	68	597	733
Student Support Funding	83	4	447	534	375
Student Services & Amenities	1,003	170	929	2,102	2,002
2012 Total	<u>61,542</u>	<u>6,124</u>	<u>24,351</u>	<u>92,017</u>	<u>90,947</u>
2011 Total	<u>61,674</u>	<u>5,995</u>	<u>23,278</u>		

Staff Costs disclosed above include an ex gratia severance payment of €183,000.

Analysis of Other Operating Expenditure

Materials & other Consumables	1,511	1,781
Library Materials	203	188
Computer costs	1,208	947
General Education	1,492	1,843
Services to students	466	524
Research costs	112	-
Project Partners	2,035	495
Equipment	1,370	1,358
Premises Costs	6,775	7,007
Travel & Subsistence/Hospitality & seminars	1,889	1,799
Personnel Costs	1,105	1,209
Professional fees	3,851	3,907
Auditors Remuneration	28	28
Communications	277	368
Stationery & office materials	1,031	1,010
General advertising & Publicity	499	278
Insurance	338	405
Finance costs	104	65
Loss on asset disposal	6	21
Other	51	45
	<u>24,351</u>	<u>23,278</u>

13. TAXATION

None of the activities of the Institute, other than the Innovation Centre, are liable to Corporation Taxation under the Charitable Status obtained in January 1993 by the Department of Education.

14. FIXED ASSETS

	Total	Buildings	Buildings In Course of Construction	Fixtures & Fittings incl. Prefabs	Computer Equipment	Plant & Machinery	Equipment	Motor Vehicles
	€000	€000	€000	€000	€000	€000	€000	€000
Cost or valuation								
At 1 September 2011	174,947	130,970	-	8,156	13,288	3,988	18,168	377
Additions	7,589	4,647	144	370	1,462	247	694	25
Disposals	<u>(991)</u>	<u>-</u>	<u>-</u>	<u>(17)</u>	<u>(694)</u>	<u>-</u>	<u>(271)</u>	<u>(9)</u>
	181,545	135,617	144	8,509	14,056	4,235	18,591	393
Depreciation								
At 1 September 2011	67,061	31,163	-	5,781	12,179	2,152	15,433	353
Charge for year	6,124	3,128	-	518	1,001	316	1,149	12
Disposals	<u>(985)</u>	<u>-</u>	<u>-</u>	<u>(13)</u>	<u>(692)</u>	<u>-</u>	<u>(271)</u>	<u>(9)</u>
	72,200	34,291	-	6,286	12,488	2,468	16,311	356
Net Book Value At 31 August 2012	109,345	101,326	144	2,223	1,568	1,767	2,280	37
Net Book Value At 31 August 2011	<u>107,886</u>	<u>99,807</u>	<u>-</u>	<u>2,375</u>	<u>1,109</u>	<u>1,836</u>	<u>2,753</u>	<u>24</u>

Cost or Valuation:

Land and Buildings in existence at 1 January 1993 have been valued by the Valuation Office. Other fixed assets in existence on that date have been valued by the Institute on the basis of open market value for existing use. Subsequent additions are stated at cost.

CIT has commitments on properties leased for academic use amounting to €1.934m (2011 - €2.751m)

	2012 €000	2011 €000
15. DEBTORS AND PREPAYMENTS		
Tuition Fees	909	1,218
State & Other Capital Grant	-	190
Research Grants and Contracts	2,446	2,876
Prepayments and Accrued Income	553	578
Other debtors	<u>2,011</u>	<u>1,467</u>
Total	<u>5,919</u>	<u>6,329</u>
16. CREDITORS AND ACCRUED EXPENSES		
AMOUNTS FALLING DUE WITHIN ONE YEAR		
Payments received in Advance.		
Research Grants and Contracts	8,195	8,914
Deferred Income Student Support Funding	272	306
	<u>8,467</u>	<u>9,220</u>
Trade Creditors and Accruals	475	56
State Capital Grant	1,524	2,373
PAYE	1,040	997
PRSI	491	432
Income Tax Withheld	51	46
Other Creditors	277	114
Accruals and Deferred Income	<u>6,741</u>	<u>6,329</u>
	<u>10,599</u>	<u>10,347</u>
	<u>19,066</u>	<u>19,567</u>
17. DEFERRED CAPITAL GRANTS		
Opening Balance	107,886	111,665
Capital Grants Receivable		
State Capital Grant - DOES	1,728	15
Allocated from State Recurrent Grant – HEA	2,753	961
Registration	34	15
Research, Grants & Contracts	1,037	583
State grant for minor capital works - DOES	1,259	419
Student Support	15	-
Transfer from Capital Development Reserve	<u>763</u>	<u>244</u>
	115,475	113,902
<u>Release to Income</u>		
Amortisation in line with asset depreciation	(6,124)	(5,995)
Amount released on disposal of Fixed Assets	(6)	(21)
Closing Balance	<u>109,345</u>	<u>107,886</u>

	2012	2011
	€000	€000
18. CAPITAL DEVELOPMENT RESERVE		
Balance 1 September	4,690	3,100
Transfer from Income and Expenditure Account	3,095	2,010
Transfer to Expenditure – Self Funding	<u>(105)</u>	<u>(176)</u>
Transfer to Capital Account	<u>(763)</u>	<u>(244)</u>
Balance 31 August	<u>6,917</u>	<u>4,690</u>

The transfer to Reserve of €3.095m is made up of €1.601m from Student Registration Fees, €901,000 from non State capital donations, €434,000 from Research Grants & Contracts and €159,000 interest earned.

19. CAPITAL COMMITMENTS CONTRACTED FOR BUT NOT PROVIDED

There are no capital commitments at the end of the period.

20. STUDENT MAINTENANCE GRANTS

Receipts from the Department of Education and Skills (Colleges Section)	3,362	4,304
Payments to Students	(2,639)	(3,411)
Payments to Students (top ups)	<u>(723)</u>	<u>(893)</u>
Net Cash Inflow	-	-
Opening Balance	-	-
Closing Balance	<u>-</u>	<u>-</u>

The Institute processes payments to students in respect of ESF maintenance grants which are notified by the relevant VEC or Local Authority. Funding for these payments is provided by the Department of Education and Skills with co funding provided by the European Social Fund (ESF). These transactions are not included separately in the Income and Expenditure Account.

21. EMPLOYEES

The average number of staff employed by the Institute for the year ended 31 August 2012 was 1,126 (2011: 1,179).

22. SUBSIDIARY COMPANY

A company, CIT Innovation Centre Limited, was established by the Institute in August 2004. For the purpose of preparing the financial statements of CIT it was necessary to consolidate the activities of CIT Innovation Centre Limited. The company showed a profit for the year of €3,866 (2011 - €3,276) while net assets for the year amounted to €23,847 (2011 - €41,992).

A company, Cosmos Education Limited, was established by the Institute in January 2008. For the purpose of preparing the financial statements of CIT it was necessary to consolidate the activities of Cosmos Education Limited. The company showed a profit for the year of €1,711 (2011 - €314) while net assets for the year amounted to €18,191 (2011 - €14,857).

A company, CIT Foundation Limited, was established by the Institute in July 2007. The Company though not included in the Financial Statements, will be consolidated from 2012/13.

23. INSTITUTE CANTEEN AND SHOP

A company, CIT Student Services Company Limited, operates the Institute canteen and shop. The accounts of the canteen and shop, which do not form part of the accounts of the Institute, are audited by auditors appointed by the Company.

The company was incorporated in December 1994. The canteen and shop had previously been managed by an Institute Committee. The Company took over the assets and liabilities of the canteen and shop with the exception of a sum of €142,847 which has been placed on trust to fund future liabilities arising out of certain contracts of service. The fund, which stood at €180,910 at 31 August 2008, is not recorded in the accounts of either the Institute or the Company. During the year 2009 these funds were transferred to the Company and recorded there as a Capital Reserve where the use of the money is restricted to the “furtherance of students welfare by capital investment in facilities” in accordance with the original terms of the trust.

The financial results of the Company for the period ended 31 August 2012 are as follows:

	€
Income	3,655,448
Expenditure	3,526,176
Surplus	129,272
Net Assets	1,035,490
Capital Reserves	321,669

24. INVESTMENTS

Cork Institute of Technology have entered into joint venture arrangements with GAC Training and Service Solutions Limited with effect from 11 February, 2010 and SEFtec NMCI Offshore Training Limited with affect from 31 May 2010. Cork Institute of Technology hold 25,000 shares in each company and this comprises a 50% shareholding.

25. THE NATIONAL MARITIME COLLEGE OF IRELAND & THE CORK SCHOOL OF MUSIC

The National Maritime College of Ireland (NMCI) is a partnership between Cork Institute of Technology (CIT), the Irish Naval Service, the Department of Education and Skills, the Department of the Agriculture, Food and the Marine and the Department of Defence. The land on which the NMCI is constructed is the property of the Department of Education and Skills.

The Cork School of Music is a partnership between Cork Institute of Technology and the Department of Education and Skills. The land on which the Cork School of Music is constructed is the property of the Department of Education and Skills.

CIT academic, technical, administrative and support staff in the Cork School of Music and the NMCI remain employees of CIT.

26. INCREMENTAL ENTITLEMENTS

A High Court claim has been made against the Cork Institute of Technology for alleged incremental entitlements. This case is being defended.

27. DISCLOSURE OF TRANSACTIONS – GOVERNING BODY MEMBERS

In the normal course of business the Institute may enter into contractual arrangements with undertakings in which the Institute’s Governing Body members are employed or otherwise interested. The Institute has adopted procedures in accordance with the Code of Governance of Irish Institutes of Technology in relation to the disclosure of interests by members of the Board and the Institute has complied with these procedures during the year.

28. APPROVAL OF FINANCIAL STATEMENTS

The financial statements were approved by the Governing Body on 1 November 2012.



7. Other Information

Cork Institute of Technology

- 7.1 News & Events
- 7.2 Alumni Association
- 7.3 Contact Points

7.1 News & Events

1. The Lord Mayor of Cork, Cllr Terry Shannon officially launched the Continuing Education Handbook 2011/2012 on 18 August 2011.
2. The signing of the Joint Development Agreement between CIT and United Technologies Research Centre Ireland Limited (UTRC) took place on 24 August 2011. The two parties undertook a joint development project to install and utilize the necessary equipment to create a National Sustainable Building Energy test bed for whole building power and energy research at the NIMBUS building of the CIT main campus.
3. The signing of the Agreement between CIT and Moscow Institute of Physics & Technology – Vector Radio Company took place on 26 August 2011. In the framework of the established cooperation between CIT and Moscow Institute of Physics and Technology, a meeting of the group took place in Cork during 24-25 August 2011. The aim of the meeting was to begin interaction of the Institutes, including education, exchange of experience and works on research and development, in order to identify possible cooperation at one or more the following:
 - Training of students of CIT and Moscow Institute of Physics and Moscow Institute of Physics and Technology
 - Teamwork on research and development
4. The President welcomed delegates attending the Irish Human Computer Interaction (iHCI) 2011 Conference held in CIT on 8 and 9 September 2011. This was the first time that an iHCI Conference was held at an Institute of Technology.
5. At the request of the Minister for Education and Skills, Mr Ruairí Quinn, T.D., the Minister visited CIT and met with the President on 15 September 2011. Following that, the Minister had a public engagement with EMC and met with the CIT Cloud Computing students.
6. Mature Student Support Workshops took place in CIT from 27 September to 12 October 2011. The Workshops were organised by the Mature Learning Support Service in the Institute and were aimed at the full-time mature students to provide support and assistance to them with any aspect of their academic course work.
7. The Minister for Research & Innovation, Mr Seán Sherlock, T.D., visited the CIT Annual Careers and Postgraduate Fair 2011 which took place on 4 October 2011. A total of 61 stands were included in the event, comprising of various CIT services and departments in addition to over 50 external organisations.
8. The Faculty of Business & Humanities hosted its Annual Awards Ceremony in the Institute on 20 October 2011. Thirty-one awards including the Des Roche Memorial Award were made before a large and appreciative audience.
9. Conferring of Degrees and Other Awards for the following took place in CIT Bishopstown Campus on 21 October 2011:
 - School of Business
 - School of Humanities
 - Department of Continuing Education

There were four conferring sessions and 1,160 graduands obtained their parchments.
10. Conferring of Degrees and Other Awards for the following took place in CIT Bishopstown Campus on 24 October 2011:
 - School of Building & Civil Engineering
 - School of Science & Informatics
 - School of Mechanical & Process Engineering
 - School of Electrical & Electronic Engineering
 - CIT Crawford College of Art & Design

There were four conferring sessions and 1,314 graduands obtained their parchments.
11. Conferring of Degrees for the following took place in CIT Cork School of Music on 27 October 2011:
 - CIT Cork School of Music
 - The Centre for Architectural Education

78 graduands obtained their parchments.
12. At the invitation of the Chief Executive of the HEA, the President has accepted the position of the Irish Alternate Governing Board member of IMHE (Institutional Management in Higher Education) of the OECD. The period of office is three years.
13. The President welcomed a delegation of three Presidents from Colleges Ontario who visited the Institute on 14 – 15 November 2011 as part of their visit to Ireland. The delegation discussed the Institute's ladder system of education, applied research centres, business incubation centre and processes, and its end-to-end innovation ecosystem.
14. The Chairman of Governing Body, Mr Bob Savage officiated at the launch of the CIT Extended Campus on 18 November 2011. The Extended Campus is the first dedicated centre for engagement in the Irish higher education sector. It will act as a single representative identity for CIT as an engaged institution supporting an end-to-end service model that proactively identifies regional learning and development needs and delivers a coordinated Institute response to them.
15. CIT's Open Day took place on 18 November 2011 from 2.00 pm – 6.00 pm and 19 November 2011 from 10.00am – 2.00 pm on three of its four campuses:
 - Bishopstown
 - CIT Crawford College of Art & Design
 - CIT Cork School of Music

The NMCI was represented in the Bishopstown Campus.

16. The Faculty of Engineering & Science Awards 2011 took place in the Bishopstown Campus on 24 November 2011. This ceremony was to recognise and acknowledge the best students who were conferred in October 2011 from the Faculty of Engineering & Science. A total of 38 awards were presented.
17. At the invitation of the Colleges Ontario, the President and the Head of Faculty of Engineering & Science were invited as guest speakers from an Irish Delegation that attended the Higher Education Summit 2011 in Toronto from 25 – 30 November 2011. A Memorandum of Understanding between IOTI (Institutes of Technology Ireland) and Colleges Ontario was also signed during the visit.
18. The IT Department in CIT won a major award Best IT Department on 24 November 2011 at the it@cork Leaders Awards held in Maryborough Hotel. In addition, there were three CIT Rubicon Centre winners:
 - 1) William Oppermann and his team MpStor won the Best Research and Innovation Company
 - 2) Garreth Cuddy and EPub for the Best High Potential Start Up Company
 - 3) Russell Quigley and Nixatel for IT that Matters Chicago Trade Mission 2012 Prize.
19. A Mature Student Information Evening took place on 30 November 2011. The aim of the evening was to promote CIT as a third-level destination to prospective students.
20. The Cork Institute of Technology Sports Bursaries 2011/2012 Awards took place on 30 November 2011 in Oriel House Hotel. 105 sports bursaries were presented by Sue Ronan, the Republic of Ireland Ladies Soccer Manager to the Institute's top athletes from a broad spectrum of sports.
21. On 2 December 2011, the Institute launched the first CIT iApp CIT Cosmos, which is free to download for the iPhone and iPad. This free iApp, designed by John Kennedy of CraicDesign and supported by CIT Blackrock Castle Observatory, will put a virtual observatory in your pocket with a real-time view of the sky from any location in Ireland, displaying the night sky, including stars, constellations, the sun, moon and planets. It is another great example of innovation in CIT's educational delivery reaching out into the local and global communities. Through exciting developments such as this, CIT is clearly playing an increasingly important role in the formation of the next generations of scientists, engineers and business entrepreneurs.
22. A new Innovation Hub to address Ireland's water infrastructure was launched in the Nimbus Centre, CIT on 8 December 2011. The Water Systems and Services Innovation Centre (WSSIC) is a joint venture between Cork City Council, Cork County Council and the Nimbus Centre at CIT. The WSSIC aims to create an expert resource in modernising Ireland's water infrastructure by taking advantage of Nimbus Centre's technological knowledge and leveraging both Councils experience in Water Resource Management.
23. The prestigious University of Chicago, which holds the record for the highest number of Nobel prizes awarded, has signed a software licence agreement with CIT bioinformatics researchers, Dr Roy Sleator and Dr Paul Walsh. The Institute's bioinformatics research group has also achieved funding success with the award of an Enterprise Ireland Commercialisation Fund grant to the researchers. The award is to further commercialisation of their BioMapper software research tool which allows biotech researchers to rapidly discover and take ownership of genomic discoveries.
24. The Cork Municipal Technical Institute, the forerunner of what is today Cork Institute of Technology, was established at a brand new building at Sharman Crawford Street 100 years ago, with the opening ceremony taking place on 16 January 1912. This building currently houses the CIT Crawford College of Art & Design. A series of events to commemorate 100 years of education at the Crawford took place during 2012.
25. The President and members of Senior Staff welcomed the American Chamber of Commerce in Ireland to the Institute on 27 January 2012.
26. On 30 January 2012, the Minister for Education and Skills, Mr Ruairi Quinn, T.D., launched an ICT skills initiative. Through the Extended Campus Centre, CIT tendered for some places and associated funding. The Institute was successful in its tender and will launch two new graduate conversion programmes which will enable unemployed graduates from non-computing disciplines to gain an academic qualification in cloud computing. Both programmes are supported by the HEA and the Department of Education and Skills which means the fees normally associated with these programmes are waived. The Level 8 programmes are
 - Higher Diploma in Science in Cloud Computing and
 - Higher Diploma in Science in Cloud and Mobile Software Development
27. The School of Graduate Studies organised a "Postgraduate Fair" which took place on 7 February 2012. The exhibition was mainly directed at final-year undergraduates and past graduates exploring further study options. It also provided third level colleges, professional institutes and training bodies external to CIT with an opportunity to promote their postgraduate opportunities to prospective applicants both within CIT and in the wider Munster region.
28. In relation to "International Student Day" and as part of its involvement, CIT organised a number of events for its international students some of which were
 - a visit to CIT Blackrock Castle Observatory
 - a visit to the National Maritime College of Ireland,
 - hurling and football taster sessions with Cork GAA All Stars,
 - Eurostar competition and
 - International Art after Dark at the CIT Wandesford Quay Gallery.

29. Over €7,000 was raised for worthy charities throughout CIT Rag Week 2012 which took place from 13 – 17 February 2012. This year Rag Week was a truly integrative CIT event with significant support and input from Societies, Sports, The Idea Hub, Registrar's Office, CIT Crawford College of Art & Design, Extended Campus, Students Services Company Ltd., Class representatives and staff. This year it did the Institute proud.
30. The President and Ms Orla Flynn, Head of CIT Crawford College of Art & Design (CIT CCAD) travelled to China on the "China International Education Exhibition Tour" (CIEET) from 15 to 20 March 2012. To promote Irish higher education, the CIEET Fair was led by Mr Ciaran Cannon, Minister for Training and Skills, Department of Education & Skills. The President and Ms Flynn signed a Memorandum of Understanding with the Shanghai University in the presence of the Minister and senior Enterprise Ireland representatives. An agreement between CIT CCAD and Tsinghua University, Academy of Arts & Design was signed on 15 March 2012 in Beijing.
31. Ms Kathleen Lynch, T.D., Minister of State, Department of Health and Department of Justice, Equality & Defence with responsibility for Disability, Older People, Equality & Mental Health launched a recent CIT publication entitled "Access the Beginning of Your Future" on 16 March 2012 in the Bishopstown Campus. The publication was produced by the CIT Access Service.
32. In April 2012, CIT's Centre for Advanced Manufacturing and Management Systems (CAMMS) was awarded significant funding as part of the Leonardo Da Vinci Mobility programme to train suitable Irish participants in "Passive Housing and Sustainable Energy Technology using Timber Frame Construction."

Forty Irish people working in the areas of construction or facilities engineering will be funded to visit the Kompetenz Zentrum für Holzbau und Ausbau (KOMZET) in Biberach an der Riss, Germany for a two week training programme. This complements funding already secured under the Train Energy European project where CAMMS developed training material to be delivered Europe wide.
33. On 18 April 2012, the Evening Echo carried a CIT magazine insert titled "Knowledge at Work" which highlighted examples of the broad range of activities that take place in CIT. The aim of the insert was to improve awareness among the broader public of the quality and variety of the work that takes place in CIT.
34. SciFest 2012 took place at the Bishopstown Campus on 20 April 2012. The Minister for Research & Innovation, Mr Séan Sherlock, T.D. officially opened SciFest which was attended by over 300 participants from 22 second-level schools in Cork City and County.
35. The Faculty of Engineering & Science Annual Science Awards Ceremony took place on 20 April 2012.
36. The President, members of the Institute Executive Board and members of Senior Staff welcomed visitors from the Pittsburg Council on Higher Education (PCHE) – a voluntary multi-purpose consortium of the ten accredited colleges and universities in Pennsylvania – to the Institute on 26 April 2012. The visitors were most interested in the business, computing, science/ information technology, and art and design disciplines.
37. Cork Institute of Technology Sports Awards 2012 took place on 2 May 2012. The Awards have been taking place since 1993 and provide the ideal opportunity for the Institute to recognise students who have excelled in their chosen sport throughout the past academic year. The awards are based on outstanding achievements in their sport and/or the administration of clubs within the Institute. As well as recognising current sporting heroes, the sports awards afford the opportunity to also recognise our graduates.
38. A symbolic key presented to a Cork Lord Mayor after he opened the county's first purpose built technical institute 100 years ago was returned to the city by his grandson on 10 May 2012 at a ceremony in the Imperial Hotel. Eighty-four year-old Canon James Simcox, whose grandfather Alderman James Simcox formally opened the Crawford Municipal Technical Institute (CMTI) on Sharman Crawford Street in January 1912, made the journey to Cork from Scotland after reading a story about the building's centenary celebrations on the Internet.

The original robe worn by Alderman Simcox was also presented at the ceremony by Stephanie Walsh, the daughter of Cork Fine Gael T.D., Stephen Barrett to current Lord Mayor, Cllr Terry Shannon. Both items are to be included in a Crawford 100 Exhibition celebrating one hundred years of creativity at CIT Wandesford Quay Gallery which opened on 24 May and ran until 23 June 2012.
39. At the request of the Department of Foreign Affairs, the Institute hosted a visit by a delegation from the National Centre for Socio-Economic Information and Forecasting in Vietnam on 16 May 2012.
40. The President welcomed the visiting panel from Engineers Ireland who participated in an accreditation of Engineering Education Programmes at the Institute on 23 and 24 May 2012.
41. At the invitation of the HEA, the President together with the Registrar & VP for Academic Affairs, the Head of Strategic Development, the Head of Extended Campus and the Head of CIT Crawford College of Art & Design attended a Conference entitled "Towards a Future Landscape – where are we now?" in Dublin on 25 May 2012.

42. CIT's Nimbus Centre has been successful in an application to Cork County Council's Economic Development Fund. Over the past year, Nimbus has developed a collaboration with the town of Mallow, and in particular Mallow Development Partnership (MDP).
43. CIT staff, students and friends organised a very successful charity event last June 2011 driving vintage and classic vehicles from Mizen Head to Malin Head. All money collected was to be presented to Suicide Aware, a Cork based voluntary organisation set up to help deal with the issues of depression and suicide in Ireland.

On 12 June 2012, the presentation of €17,000 was presented to Suicide Aware.

44. The Springboard initiative in higher education offered free, part-time courses leading to qualifications that are in demand among employers. CIT held an information evening on 13 June 2012 for people who were interested in participating. Springboard gives an opportunity to job seekers, be they those who have lost a job or who were previously self-employed, to take part-time, work-focussed, courses at third level, free of charge, while maintaining their benefits. There were 262 places on 16 different courses available in CIT under this initiative. The courses offered included Biomedical Device Manufacturing, Cloud Computing, Computer Networking, Sustainable Energy, and Lean Six Sigma. All were offered on a flexible, part-time basis.
45. The launch of the Continuing Education Handbook 2012/13 by Mr Séan Sherlock, T.D., Minister for Research & Innovation took place on 18 June 2012 in the Bishopstown Campus.
46. The conferring of Degrees and Higher Certificates took place on 19 June 2012 in the National Maritime College of Ireland. The first group of the Seychelles Island graduands (sent by the Seychelles Petroleum Company) – nine in total were also conferred.
47. IMERC (Irish Maritime and Energy Resource Cluster) was amongst the projects that had been singled out for demonstrating innovation and excellence across the full breadth of State services in the 2012 winners of An Taoiseach's Public Service Excellence Awards announced on 21 June 2012, in Dublin Castle, by An Taoiseach Mr Enda Kenny.

An alliance between CIT, the Irish Naval Service and UCC, IMERC seeks to harness and integrate public sector and industry expertise to develop the Cluster and to realise the potential of emerging economic sectors, including the nascent ocean energy sector.

48. Professor Bernd Steffensen, Vice President for Research and Development, University of Applied Sciences, Darmstadt, Germany and Research Assistant Ms Janina Fengal visited the Institute on 5 and 6 July 2012. The purpose of their visit was to discuss
- The bilateral cooperation between CIT and Darmstadt
 - The administration process concerning our PhD candidates
 - EuTec – next steps

7.2 Alumni Association (CITAA)

The CIT Alumni Relations Office is the means through which CIT Alumni can maintain close links with their alma mater and with fellow graduates and also avail of a wide range of benefits and services. The loyalty, support and involvement of alumni with the Institute is vital to ensure CIT's future success in delivering Ireland's knowledge-based economy. The Association has approximately 17,500 members. The database holds details of graduates from all campuses, at all levels and from all disciplines.

CIT provides all alumni with free membership of the CIT Alumni Association. A wide range of benefits, services and events are on offer to registered members.

An Alumni Association Committee is established and consists of alumni and staff who advise the Association and the Institute on how to best engage with graduates and to further develop the Association.

Alumni are encouraged to keep their contact details current through email, website, social networking sites or direct contact with the Alumni Relations Office.

First Destinations Survey

The Alumni Association and the Careers and Counselling Service in CIT conducted a pilot First Destinations Survey (FDS) of the 2011 CIT graduates in July 2012. The survey collects data from recent graduates to determine numbers in employment, numbers seeking employment, and those participating in further study or training. The information will be of benefit to students, graduates, Institute management, employers, policy makers and all those with an interest in higher education.

A 22% fully completed response rate was achieved. Following a review of the pilot survey, a number of amendments will be made to the process for the 2012 FDS. A survey of the 2012 graduates will subsequently be conducted in spring 2013.

Events (Sept 2011 – August 2012)

11th April 2012 - CIT Alumni Golf Classic, Lee Valley Golf Club, Cork.

Communications

- The Learning City Magazine was distributed to 15,398 alumni in January 2012.
- The Alumni E-News was circulated as follows to:
 - o 7,181 constituents in December 2011,
 - o 7,175 constituents in April 2012,
 - o 8,593 constituents in August 2012.

CIT Alumni Association Committee Meetings

- November 2011
- January 2012

7.3 Contact Points

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Note:

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