



LIT

ACTIVE LEADERSHIP IN
EDUCATION, ENTERPRISE
AND ENGAGEMENT

ANNUAL REPORT

**2011
2012**



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THIS IS THE ANNUAL REPORT OF THE
LIMERICK INSTITUTE OF TECHNOLOGY

THE REPORT COVERS THE PERIOD 1ST
SEPTEMBER 2011 TO 31ST AUGUST 2012

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Annual Report 2011-2012

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CHAIRMAN'S & PRESIDENT'S STATEMENTS



Mr. John Clifford, Chairman

CHAIRMAN'S STATEMENT

The year under review from a Boards perspective has seen the successful integration of TRBDI as the 5th School of Limerick Institute of Technology. The school will now be known as LIT Tipperary with campuses in both Thurles and Clonmel. This enlarged entity will provide an enhanced 3rd level education on the ground, across a wider geographic region.

LIT continues to engage in innovative applied research in partnership with industry, supporting indigenous players as well as international operators. Such applied research focuses on the existing and emerging areas of expertise within the organisation and is further enhanced by talented researchers attracted to the Institute.

LIT continues to offer supports through the distinctive LIT ladder system accommodating the full spectrum of low/high risk/reward profiles within our areas of academic and support expertise. We are now rolling out the LIT enterprise ladder across our enlarged region of operation with new centres in Thurles, Limerick city centre and Croom Co. Limerick.

Our core activity continues to be the teaching of our graduates. The philosophy of active learning which permeates the Institute ensures the very high quality of our graduates, which is recognised by Industry both nationally and internationally.

On behalf of the Governing Body I wish to acknowledge the contribution of management and staff in ensuring that LIT has been voted the foremost Institute of Technology in the country for the second time in the past four years. A unique achievement. With regard to our strategy into the future, the Governing Body has decided, having due regard to the views of the Minister, the HEA, management and staff, to continue to operate as a distinctive Institute of Technology while continuing to collaborate on an enhanced level with the other third level providers in the region. We believe that this strategy will best satisfy the future third level educational requirements of the region and the country.

Mr. John Clifford,
Chairman, Governing Body

PRESIDENT'S STATEMENT

The year under review was a unique year in the history of LIT. Graduates who began their studies in 2008 or 2009 came in when LIT was just celebrating its status as the Institute of Technology of the year, and when they graduated in 2012 LIT was once again announced as the winner of the IOT of the year award by the Sunday Times University Guide. None of the other 13 peer institutions has repeated this performance since the launch of the Sunday Times University Guide for Ireland about 10 years ago. This is wonderful testimony to all the staff at LIT, and it is also a very positive reflection on the learners because the criteria applied by the Sunday Times reflect all-round performance. Employment statistics, quality of the awards, student/staff ratio, research funding and the views expressed by the student union are amongst these criteria.



Dr Maria Hinfelaar, President

The Sunday Times also commented positively that following the integration of the former Tipperary Institute into LIT, we are now a multi-campus institution with locations throughout Limerick, Tipperary and Clare, and that we have “recovered from the merger process remarkably well”. This annual report presents numerous data about the complete LIT community. But crucially, the annual report also reflects how staff and students contribute to our success. We have a responsibility to support sustainable economic development and social renewal flowing from the mission statement and values laid down in our Charter:

LIT prepares learners for fulfilling and challenging futures, fostering the professional, intellectual, social, cultural and personal development of the individual. The hallmark of our educational philosophy is active learning through a fusion of theory and practice. We provide third and fourth level education, training and research, playing a pivotal role in the economic and socio-cultural development of our region.

In our current strategic plan **LIT Vision and Strategy to 2020** which was adopted by Governing Body early in 2011 and which was launched on the very first day of our new multi-campus institution, 1st September 2011, our mission is articulated as providing “active leadership in education, enterprise and engagement”. During 2011 and 2012, all the individual Schools and functional areas developed their own strategic implementation plans for a two to three-year cycle, derived from the overarching vision and strategy but prioritising specific objectives relevant to them. These plans were drawn up with significant inputs from all staff and were formally presented to Governing Body in the course of the year, and this annual report offers numerous examples of how LIT is delivering on the objectives.

During 2012, all institutions were invited by the HEA to submit detailed profiles and projections for the coming years, which also outlined major partnerships and alliances with other higher education institutions. These submissions formed part of the process to implement the national strategy and policy for higher education, including the reconfiguration of the landscape with possible new mergers and alliances. LIT has decided its future will be to remain as an independent, autonomous institution with strong collaborations, particularly the Shannon Consortium consisting of LIT, University of Limerick, Mary Immaculate College and IT Tralee. This collaboration will need to deepen so that it will deliver the national objectives of increasing capacity within existing resources, and building on the quality and diversity that is already in the system.

Dr. Maria Hinfelaar,
President



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GOVERNANCE & MANAGEMENT

2.1 GOVERNING BODY

A Governing Body was appointed for the period September 2011 up to 31st August 2016. 8 ordinary meetings of this Governing Body were held during the year under review. In addition 1 special meeting of Governing Body, 5 Audit subcommittee meetings and 3 Strategy subcommittee meetings were also held during the year under review.

MEMBERS

28th September 2011 to 31st August 2016

Mr. John Clifford	-	Chairman (to September 2013)
Dr. Maria Hinfelaar	-	President

Six V.E.C. Nominees under Section 4(1) (a) & (b) of Regional Technical Colleges (Amendment Act) 1994, IOT Act 2006.

Cllr. Maria Byrne	-	City of Limerick VEC.
Cllr. Joe Leddin	-	City of Limerick VEC.
Cllr. Mary Jackman	-	Co. Limerick VEC. (Vice–Chair)
Mr. Michael Corley	-	Co. Clare VEC.
Mr. David Leahy	-	Co. Tipperary N.R. VEC.
Ms. Fionuala Mc Geever	-	Co. Tipperary S.R. VEC.

Five Elected Nominees under Section 4(1) (c) (d) & (e) of Regional Technical Colleges (Amendment) Act 1994, IOT Act 2006.

Mr. Barry Maher	-	Student (Male-2011-2012)
Ms. Avril Healy	-	Student (Female-2011-2012)
Ms. Ita Kavanagh	-	Academic Staff
Mr. Dáithi Sims	-	Academic Staff
Mr. Ger Hartigan	-	Non Academic Staff (from November 11)

One I.C.T.U. Nominee under Section 4(1) (f) of Regional Technical Colleges (Amendment) Act 1994, IOT Act 2006.

Mr. Seán Treacy	-	Irish Congress of Trade Unions
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Five VEC Nominees under Section 4(1) (g) of Regional Technical Colleges (Amendment) Act 1994, IOT Act 2006.

Mr. Pat Fitzgerald	-	Munster Council, Cumann Luthchleas Gael
Mr. Jim Nagle	-	Analog Devices
Dr. Kevin Kelleher	-	Health Service Executive
Ms. Margot Marsden	-	Enterprise Ireland
Ms. Paula Ryan	-	Institute of Certified Public Accountants

2.2 EXECUTIVE AND SENIOR MANAGEMENT

2011-2012

Executive Management

President	Dr. Maria Hinfelaar
Registrar	Mr. Terry Twomey
Secretary /Financial Controller	Mr. Jimmy Browne

Head of Development
 Executive in Strategic Change
 Head of School of Art & Design
 Head of School of Business & Humanities
 Head of School of the Built Environment
 Acting Head of School of Science, Engineering
 & Information Technology
 Head of LIT Tipperary School

Dr. Fergal Barry
 Mr. Michael O Connell
 Mr. Mike Fitzpatrick
 Ms. Marian Duggan
 Ms. Maria Kyne

Mr. Paschal Meehan
 Mr. Colin Mc Lean
 (1st January 2012-31st August 2015)

Senior Management

Head of School of Engineering
 Head of Department of Fine Art & Design
 Head of Department of Business
 Acting Head of Department of Humanities
 Head of Department of Built
 Environment Management
 Head of Department of Built Environment
 Construction and Engineering
 Head of Department of Electrical
 & Electronic Engineering
 Acting Head of Department of Electrical
 & Electronic Engineering & Project Post

Dr. Edward Hayes
 Ms. Tracy Fahey
 Mr. Donncha Mc Namara
 Dr. Catriona Murphy

Mr. James Collins

Mr. Pat Gill

Mr. Dáithi Sims

Mr. James Greenslade
 (23rd January 2012-31st August 2012)

Head of Department of Mechanical
 & Automobile Engineering
 Head of Department of Information Technology
 Head of Department of Applied Science
 Head of Department of Business, Education
 & Social Sciences
 Head of Department of Technology
 Media & Science
 Acting Head of Department of Technology
 Media & Science

Dr. Philip Ryan
 Ms. Janice O Connell
 Ms. Michelle Mc Keon Bennett

Ms. Moya Breen

Mr. James Greenslade

Mr. Seamus Hoyne
 (20th February 2012-31st August 2012)
 Dr. Siobhan Moane
 (9th December 2011-8th December 2014)
 Mr. Jerald Cavanagh

Head of Research and Technology Transfer

Librarian
 Academic Administration &
 Student Affairs Manager

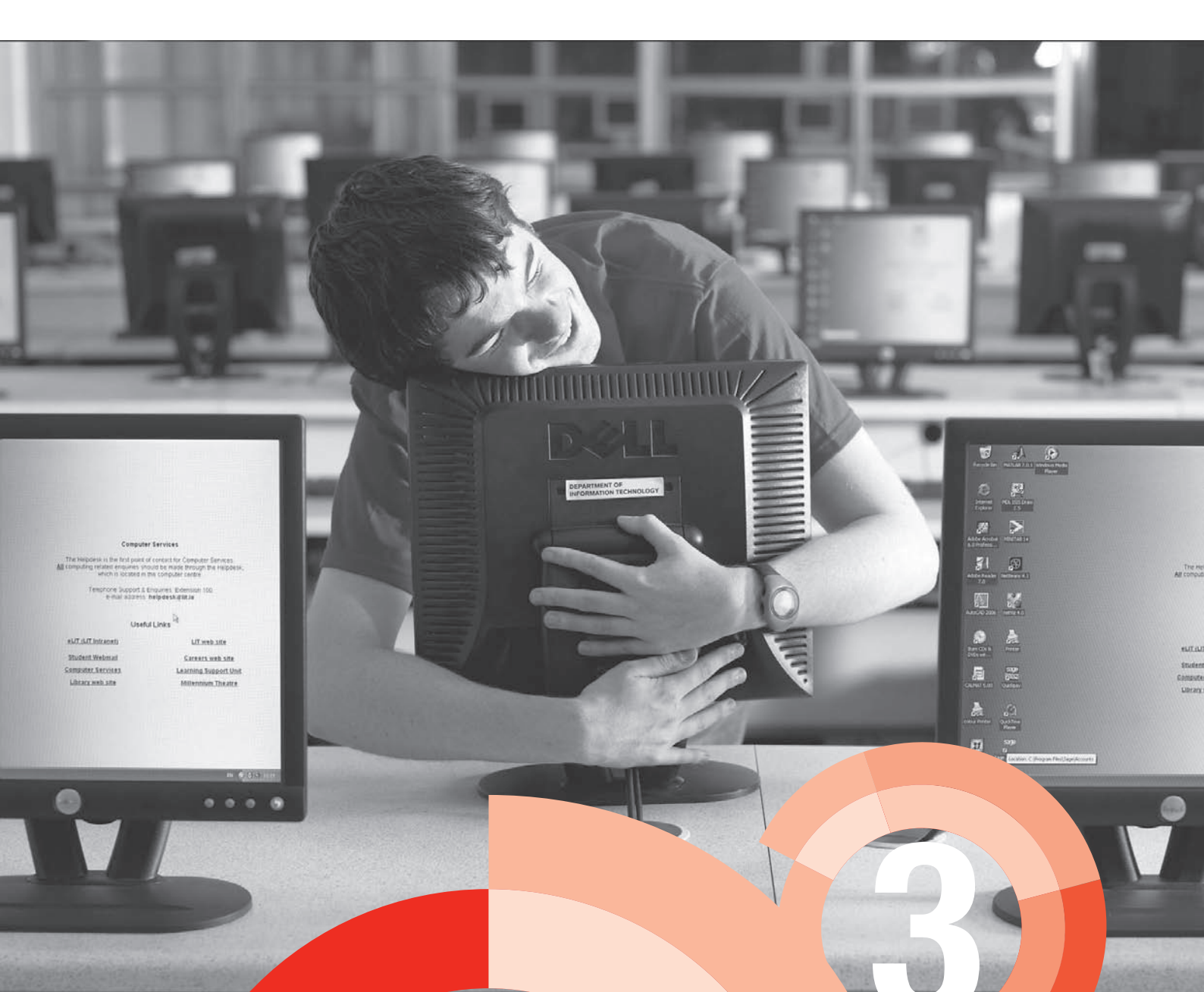
Ms. Mary Costello (to 31st December 2011)
 Ms. Linda Barry
 (23rd March 2012- 31st August 2015)

Human Resources Manager
 Acting Finance Manager
 Estates Manager
 IT Manager
 External Services Manager

Ms. Anne Twomey
 Mr. Gerry O'Neill
 Mr. Ultan Gogarty
 Mr. Niall Corcoran
 Mr. Colin Mc Lean (to 31st December 2011)
 Mr. Mike Cox (1st March 2012-31st August 2015)

Enterprise Development
 and Business Liaison Manager
 Development Manager, LIT Tipperary School

Ms. Gillian Barry
 Mr. Ciaran Lynch



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ACADEMIC DEVELOPMENT & STUDENT AFFAIRS

3.1 ACADEMIC CALENDAR-2011/2012

LIMERICK INSTITUTE OF TECHNOLOGY INSTITIUID TEICNEOLAÍOCHTA LUIMNIGH

Calendar for Academic Year 2011/2012		
Week No.	Beginning	
1	29th August, 2011	Opening of Academic Year and Staff Development Thursday, 1st September
		Autumn Repeat Exams Commence Thursday, 1st September
2	5th September, 2011	Exam Boards Start Thursday, 8th September
		Art & Design 1st Year Registration Friday, 9th September
3	12th September 2011	Registration & Induction Week
		SEIT First Year Registration Monday, 12th September
		Art & Design classes start Monday 12th September
		School of Business & Humanities 1st Year Registration Tuesday 13th September
		School of the Built Environment 1st Year Registration Wednesday, 14th September
		Apprenticeship Staff Development Day 15th September
4	19th September 2011	Other full-time classes start-Monday 19th September
		Apprentices start
		Governing Body Meeting 20th September
5	26th September 2011	
6	3rd October 2011	Academic Council Meeting 7th October
7	10th October 2011	LIT Open Days - 13th and 14th October
8	17th October 2011	Governing Body Meeting 18th October
9	24th October 2011	
10	31st October, 2011	Monday 31st October Bank Holiday
		Tuesday, 1st November 2011 (Church Holiday)
		2nd, 3rd, 4th November - LIT Conferrings
11	7th November 2011	
12	14th November 2011	Science Week 13/14/15/16/17/18/19/20 November
		Governing Body Meeting 15th November
13	21st November 2011	
14	28th November, 2011	Academic Council Meeting 2nd December
15	5th December, 2011	Friday, 9th December, 2011 (Church Holiday)
16	12th December, 2011	Engineering Week
		Christmas Exams 12/13/14/15/16th December
		Governing Body Meeting 13th December
	Christmas Holidays	Saturday 17th December 2011 - Sunday 8th January 2012 incl.
	2nd January 2012	Monday, 2nd January, 2012 Bank Holiday
		Apprentice start date 4th January, 2012
		Friday, 6th January, 2012 (Church Holiday)
17	9th January 2012	
18	16th January 2012	Governing Body Meeting 17th January

Calendar for Academic Year 2011/2012 Continued		
19	23rd January 2012	
20	30th January 2012	
21	6th February 2012	
22	13th February 2012	Rag Week 13th - 17th February
		Staff Development Day, 16th February
23	20th February 2012	Governing Body Meeting 21st February
24	27th February 2012	Academic Council Meeting 2nd March
25	5th March 2012	Agricultural Mechanisation Year 1 Exams Start 5th March
26	12th March 2012	
27	19th March 2012	Monday, 19th March, 2012 Bank Holiday
		Governing Body Meeting 20th March
28	26th March 2012	
	Easter Holidays	Saturday 31st March - Sunday 15th April inclusive
	2nd April 2012	Apprentice start date, 2nd April, 2012
	9th April 2012	
29	16th April 2012	Agricultural Mechanisation Year 1 Exam Board Monday, 16th April
		Governing Body Meeting 17th April
30	23rd April 2012	
31	30th April 2012	
32	7th May, 2012	Monday 7th May, 2012 Bank Holiday
		Tuesday, 8th May, 2012 (Church Holiday)
		Academic Council Meeting 11th May
		Summer Examinations commence 11th May
33	14th May 2012	Governing Body Meeting 15th May
34	21st May 2012	
35	28th May 2012	
36	4th June 2012	Monday 4th June 2012 Bank Holiday
		Exam Boards start 5th June
		Friday, 8th June, 2012 (Church Holiday)
37	11th June 2012	Exam Reviews 15/16/17th June
38	18th June 2012	Academic Council Meeting 18th June
		Governing Body Meeting 19th June

Note 1: This calendar is subject to some School/Department variations due to Block Release and Placement Start/Finishing Times.

3.1.1 MEMBERSHIP OF ACADEMIC COUNCIL

The sixth Academic Council of Limerick Institute of Technology was elected in accordance with the regulations of the Governing Body for a three year period from March 2011.

The following is a list of members for Academic Council 2011 - 2013

Ex- Officio members

Dr. Maria Hinfelaar	President
Mr. Terry Twomey	Registrar
Mr. Jimmy Browne	Secretary/Financial Controller
Dr. Fergal Barry	Head of Development
Dr. Edward Hayes	Head of School of Engineering
Mr. Mike Fitzpatrick	Head of School of Art & Design
Ms. Maria Kyne	Head of School of the Built Environment
Mr. Paschal Meehan	Head of School of Science Engineering & Information Technology
Ms. Marian Duggan	Head of School of Business & Humanities
Mr. Colin McLean	Head of LIT Tipperary School
Ms. Tracy Fahey	Head of Department of Fine Art & Design
Mr. James Collins	Head of Department of Built Environment Management
Mr. Pat Gill	Head of Department of Built Environment Construction & Engineering
Ms. Michelle McKeon Bennett	Head of Department of Applied Science
Ms. Janice O'Connell	Head of Department of Information Technology
Dr. Philip Ryan	Head of Department of Mechanical & Automobile Engineering
Mr. Dáithi Sims	Head of Department of Electrical & Electronic Engineering
Mr. Donnacha McNamara	Head of Department of Business
Dr. Catriona Murphy	Head of Department of Humanities
Ms. Moya Breen	Head of Department of Business Education & Social Science
Mr. James Greenslade	Head of Department of Science, Technology & Media (Acting Head of Department of Electrical & Electronic Engineering & Project Post) (23rd January 2012-31st August 2012)
Mr. Seamus Hoyne	Acting Head of Department of Science, Technology & Media (20th February 2012-31st August 2012)
Mr. Jerald Cavanagh	Institute Librarian

Student Representatives

Ms. Avril Healy	Student Representative, Moylish Park Campus
Mr. Dale Philips	Student Representative, Clare Street Campus
Mr. Keith O'Neill	Student Representative, Tipperary Campus



Elected Representatives

School of Art & Design:

Male (2)	Mr. Adrian Byrne Mr. Mark O'Kelly
Female (2)	Ms. Elaine Riordan Ms. Clodagh Twomey

School of the Built Environment:

Male (1)	Mr. Tony Wallace
Female (1)	Ms. Maire Daly
Common (2)	Mr. Kevin O'Riordan Mr. Paul Vesey

School of Business & Humanities

Department of Business:

Male (1)	Mr. Conor Foley
Female (1)	Ms. Gillian Clogan
Common (1)	Mr. Richard Boylan

Department of Humanities:

Male (1)	Mr. Joe Mulcahy
Female (1)	Dr. Noelle O'Connor
Common (1)	Ms. Patricia Cremen

School of Science Engineering & Information Technology

Department of Electrical & Electronic Engineering:

Male (1)	Mr. John Cosgrove
Female (1)	Ms. Trish Jones
Common (2)	Mr. Peter Gorman Mr. Donagh O'Shea

Department of Mechanical & Automobile Engineering:

Common (2)	Mr. Tony Mahon Dr. Michael Daragh Naughton
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Department of Information Technology:

Male (1)	Mr. Neil Higgins
Female (1)	Ms. Maureen Falvey

Department of Applied Science:

Male (1)	Dr. Jim Healy
Female (1)	Dr. Elaine Raggett

General:

Common (1)	Ms. Ann Murray
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LIT Tipperary School:

Male (1)	Mr. Eamon Dalton
Female (1)	Ms. Laura Dargan
Common (1)	Dr. Martin Fitzgerald

3.12 ACADEMIC COUNCIL SUB-COMMITTEES

It was agreed that the Terms of Reference for all Sub-Committees should be approved by Academic Council and that the Registrar, as an ex-officio member for all sub-committees should be responsible for convening all meetings.

There were eight sub-committees of Academic Council.

The following members were approved at a meeting of the Academic Council with additional members to be co-opted as appropriate.

Academic Quality

Mr. Terry Twomey - Presiding
Dr. Edward Hayes
Ms. Ann Murray
Mr. Mike Fitzpatrick
Ms. Maria Kyne
Ms. Katherine Maughan
Ms. Gillian Clogan
Dr. Derek McNerney
Mr. Martin Neville
Ms. Sara Jane Kickham
Mr. Ian Foley
Mr. Ailbe Burke
Mr. Jerald Cavanagh
Ms. Moya Breen
Mr. James Greenslade
Dr. Tracey Larkin
Ms. Cliona Campbell
Mr. Seamus Doyle
Ms. Susan Halvey
Mr. Brian Clancy

Academic Reviews

Mr. Terry Twomey - Presiding
Dr. Fergal Barry
Dr. Edward Hayes
Ms. Ann Murray
Mr. James Collins
Mr. Seumas O'Sullivan
Ms. Nichola O'Connell
Ms. Marian Duggan
Dr. Derek McNerney
Ms. Patricia Cremen
Mr. Kenneth Switzer
Ms. Laura McNerney
Mr. Paschal Meehan
Mr. Donagh O'Shea
Mr. Peter Gorman
Dr. Liam Noonan
Mr. Michael O'Connell
Ms. Moya Breen
Mr. Mike Fitzpatrick
Ms. Tracy Fahey

Mr. Nicholas Brady
Mr. Eoin Fitzgerald
Ms. Michelle McKeon-Bennett
Dr. Willie Fitzgerald
Mr. Colin McLean
Ms. Aparecida Silva

Admissions, Academic Progress and Student Retention

Mr. Terry Twomey – Presiding
Dr. Fergal Barry
Dr. Edward Hayes
Ms. Ann Murray
Ms. Anne O'Donovan
Ms. Miriam Grimes
Ms. Linda Barry
Mr. Dáithí Sims
Mr. Colin McLean
Mr. James Greenslade
Mr. Pat Gill
Mr. John Corcoran
Mr. Mike Fox
Mr. Donnacha McNamara
Ms. Sarah Landy
Mr. Bosco Clarke
Mr. Michael Conway
Ms. Janice O'Connell
Ms. Caroline Shanley
Ms. Trish Jones
Dr. Michael Monaghan
Ms. Kate Dwyer
Ms. Frances O'Connell
Mr. Geoff Hunter
Ms. Niamh Kavanagh

Research & Development

Dr. Siobhan Moane – Presiding
Mr. Terry Twomey
Dr. Fergal Barry
Ms. Anne O'Donovan
Ms. Bridget Ronan
Ms. Kathleen Leamy
Mr. John Cosgrove

Mr. Joe Dunk
Dr. Kieran Cashell
Dr. Dara Waldron
Ms. Sarah Landy
Dr. Sinead O'Leary
Ms. Louise Nugent
Dr. Frances Hardiman
Dr. Michael D. Naughton
Mr. Ronan O'Brien
Mr. Jonathan Blackmore
Mr. Redmond Condon
Ms. Gillian Barry
Dr. Frank Houghton
Dr. Catriona Murphy
Dr. Josephine Tracy
Dr. Ken Oakley
Ms. Janice O'Connell
Dr. Tracey Larkin
Mr. Ciaran Lynch
Mr. Philip Hennessy
Mr. Clifford Guest
Mr. David Kiely
Mr. Kyle Murphy

Student Support, Access & Equality Issues

Mr. Terry Twomey – Presiding
Mr. Jerald Cavanagh
Fr. Declan Murray
Ms. Alice Meagher
Ms. Noreen Keane
Ms. Linda Barry
Ms. Joanne Holland
Ms. Anne O'Donovan
Ms. Miriam Grimes
Dr. Edward Hayes
Ms. Anne Murray
Ms. Theresa O'Sullivan
Mr. Seoirse Bulfin
Ms. Maria O'Kelly
Mr. Sajjad Sajjadi
Ms. Margaret O'Sullivan
Ms. Jennifer Stritch

Ms. Karen Sugrue
Ms. Cathy Jones
Dr. Paddy Walsh
Mr. Ed Mullen
Dr. John O'Kelly
Dr. Nancy Shanley
Ms. Marian Lynch
Ms. Carolann Bargary
Ms. Patricia Quigley
Mr. Gerry O'Neill
Ms. Clodagh Twomey
Ms. Amanda Dunsmore
Mr. Keith O'Neill
Ms. Mary Costello

Teaching & Learning Resources and Academic Professional Development

Mr. Terry Twomey – Presiding
Ms. Anne Twomey
Mr. Jerald Cavanagh
Mr. Michael Tuohy
Mr. Samuel Hayden
Ms. Tara Frawley
Mr. Michael Mooring
Ms. Lisa Scott
Ms. Marian Twomey
Mr. Billy Madden
Mr. William Ward
Mr. Adrian Byrne
Mr. Michael Dillane
Mr. Shane Barron
Mr. Joe Mulcahy
Mr. Eoghan Sadlier
Mr. Flaithri Neff
Ms. Linda Barry
Mr. Paul Morrow
Ms. Broze O'Donovan
Mr. Eamon Dalton
Dr. Martin Fitzgerald
Mr. Ger Moynihan
Mr. Ian Riordan
Ms. Mary Costello
Ms. Liz Fahy

Apprenticeship & Craft Education

Mr. Eddie Nolan - Presiding
Mr. Terry Twomey
Ms. Anne O'Donovan
Ms. Miriam Grimes
Mr. Tony Wallace
Mr. Michael Beasley
Mr. Alan Carr

Mr. John Cosgrove
Mr. Sean DeBhulbh
Mr. Thomas Martin
Mr. Liam Kelly
Mr. Gerry O'Brien
Ms. Eithne Gavigan
Mr. Francis Condon
Mr. Steven Kavanagh

Active Learning, Placements and International Dimensions

Dr. Maria Hinfelaar – Presiding
Mr. Terry Twomey
Dr. Edward Hayes
Mr. Mike Cox
Ms. Ann Murray
Ms. Niamh Kavanagh
Mr. Donnacha McNamara
Ms. Emma O'Halloran
Ms. Agnes Bouchier-Hayes
Dr. Eleanor Fitzmaurice
Ms. Brid Crotty
Dr. Catriona Murphy
Dr. Jim Healy
Ms. Marie Walsh
Mr. John Jennings
Mr. Michael Mooring
Ms. Tracy Fahey
Ms. Fiona Bourke
Mr. Aidan O'Connor
Ms. Roisin Crowley
Mr. Keith Moloney
Mr. Niall Enright
Mr. Jerald Cavanagh
Ms. Joanne Holland
Ms. Laura Dargan
Mr. James Greenslade
Mr. Meelius Kuusk
Ms. Ashley Harper

3.2 ACADEMIC DEVELOPMENTS

The following New Programme Proposals were approved in the period:

School of Art & Design

- MA in Community Film Making
- BA (Design) in Fashion Knitwear and Textiles
- Higher Certificate in Design in Fashion Knitwear and Textiles

School of The Built Environment

- Higher Certificate in Agriculture & Building
- Higher Certificate in Sustainable Building & Renewable Energy
- Bachelor of Arts in Interior Design
- Higher Certificate in Science in Building Maintenance & Repair
- Higher Certificate in Engineering in Geographical Information Systems (GIS) & Asset Management

School of Business & Humanities

Department of Business

- Higher Certificate in Business Management
- Higher Certificate in Business in Legal Studies & Taxation
- Bachelor of Business (Hons) in Digital Marketing

Department of Humanities

- Higher Certificate in Arts in Sports Coaching

School of Science, Engineering and Information Technology

Department of Applied Science

- M.Sc (Taught) in Analytical Science & Management
- B.Sc. in Space Science & Technology

- Masters of Science in Environmental Management
- Higher Certificate in Applied Science

Department of Electrical & Electronic Engineering

- Bachelor of Engineering (BEng) in Industrial Electrical Engineering
- Higher Certificate in Engineering in Electrical Installation Practice
- Bachelor of Science (Hons) in Digital Film Production

Department of Information Technology

- Bachelor of Science (Ordinary) in Internet Systems Development (Level 7)
- Bachelor of Science (Honours) in Internet Systems Development (Level 8)
- Bachelor of Business (Hons) in Business Computing
- Bachelor of Science (Hons) in eBusiness Management Systems
- H.Dip in Computing in Creative Multimedia Programming
- H.Dip in Computing in Software Development
- Bachelor of Business (Ordinary) in eBusiness Management Systems

LIT Tipperary School

- Higher Certificate in Environmental & Natural Resource Management
- B.Sc. in Environmental & Natural Resource Management
- Higher Diploma in Science in Computing

The following Special Purpose Awards were approved:

- Certificate in Marketing & Operations
- Certificate in Agricultural Law
- Certificate in Personal Development
- Certificate in Fashion Design
- Higher Certificate in Property Valuation and Management
- Certificate in Sustainable Mechanical Engineering
- Certificate in Industrial Electrical Systems
- Certificate in Manufacturing Maintenance Systems
- Certificate in Language & Culture: French, German or Irish.

The following Minor Awards were approved:

- Certificate in Applied Good Manufacturing Practice.

Programmatic Reviews

Programmatic Review Panels were held for the following Schools in the 2011/12

Academic Year:

- School of Art & Design
- LIT Tipperary School
- SEIT: Departments of Applied Science, Department of Electrical & Electronic Engineering and Department of Mechanical & Automobile Engineering.

Annual School Reports 2010/11

- Annual School Reports from the following Schools were presented to Academic Council;
- School of Art & Design

- School of Business & Humanities
- School of Science, Engineering and Information Technology
- School of the Built Environment.

Annual Reports 2010/11

The following Annual Reports were presented to Academic Council;

- Access Service Annual Report
- Chaplaincy Service Annual Report
- Counselling Service Annual Report
- Learning Support Unit Annual Report
- Student Health Unit Report.

External Examiner Nominations 2011-12

External Examiner Nominations were reviewed for the following Schools/Departments, approved by Academic Council and recommended for approval to Governing Body.

- School of Art & Design
- School of the Built Environment
- School of Business & Humanities
- School of Science, Engineering & Information Technology
- LIT Tipperary School.

Research

23 new Applications for Admission to the Postgraduate Register were approved
8 Applications to Transfer to the Doctoral Register were approved.

Research & Development Standing Committee:

The Research & Development sub-committee agreed to establish a Standing Committee for the purpose of addressing

outstanding issues concerning postgraduate students during the summer period.

Quality Assurance Handbook – LIT Quality Assurance Policy & Procedures

The annual review of the Quality Assurance Handbook was undertaken and the following documents were updated in accordance with agreed procedures;

Volume 3 Academic Policies & Procedures:

- Academic Council Regulations & Procedures for Taught Programmes 2012/13 Part 1 and 2 (ACRP)

Volume 4 Operational Policies:

- Admissions Office Policy & Procedures 2009-2012
- Teaching, Learning & Assessment Strategy 2012-2015
- LIT Learner Retention Strategy
- Student Problem Solving Procedures
- Student Policy on Dignity & Respect
- Student Code of Conduct and Disciplinary Procedures
- Guideline Procedures on the Provision of References for Students and Graduates of LIT

Volume 8 Quality Assurance of Staff

- Academic Staff Mentoring Policy

Examination Results

Academic Council approved the Examination Process and recommended ratification of the Summer 2012 and Autumn 2011 Results by Governing Body.

3.3 LIST OF FULL-TIME & CRAFT APPRENTICE COURSES

School of Art & Design:

Masters of Art in Art & Design Education
 Bachelor of Arts (Honours) in Art & Design
 Master of Arts
 Master of Art in Art
 Doctor of Arts in Art
 Bachelor of Arts (Honours) in Design
 Bachelor of Arts (Honours) in Fine Art
 Masters of Arts in Art & Design in Social Practice & the Creative Environment
 Higher Diploma in Arts in Art and Design Teaching

School of Business & Humanities:

Department of Business

Bachelor of Business in Accounting and Finance
 Bachelor of Business (Honours) in Accounting & Finance
 Higher Certificate in Business in Accounting & Finance
 Higher Diploma in Business Management
 Bachelor of Business (Honours) in Marketing & Management
 Master of Arts
 Bachelor of Business (Honours) in Law and Taxation
 Bachelor of Business in Marketing & Management
 Bachelor of Business (Honours) in Marketing & Management
 Higher Certificate in Business in Marketing & Management
 Masters of Business in Marketing and Management

Department of Humanities

Bachelor of Arts (Honours) in Business Studies with Event Management
 Bachelor of Arts (Honours) in Business Studies with Sports Management
 Bachelor of Arts (Honours) in Business Studies with Tourism Management
 Master of Arts in Humanities (Research)
 Bachelor of Arts (Honours) in Applied Social Studies in Social Care
 Professional Cookery Traineeship FETAC Level 6 Day Release
 Higher Certificate in Arts in Culinary Arts

Higher Certificate in Business Studies in Hotel Front Office Management
 Higher Certificate in Arts in Hospitality Studies

School of Science Engineering & Information Technology:

Department of Applied Science

Bachelor of Science (Honours) in Bioanalysis & Biotechnology
 Bachelor of Science in Applied Biology
 Higher Certificate in Science in Applied Biology
 Bachelor of Science in Applied Biosciences
 Bachelor of Science (Honours) in Chemical Instrumentation and Analysis
 Higher Certificate in Science in Applied Chemistry
 Bachelor of Science in Chemical Instrumentation/Analytical Methods
 Bachelor of Science (Honours) in Drug and Medicinal Product Analysis
 Bachelor of Science in Environmental & Chemical Analysis
 Higher Certificate in Science in Environmental and Analytical Science
 Higher Certificate in Science in Good Manufacturing Practice & Technology
 Bachelor of Science (Honours) in Pharmaceutical and Forensic Analysis
 Bachelor of Science in Pharmaceutical and Forensic Analysis
 Master of Science
 Doctor of Philosophy

Department of Electrical & Electronic Engineering

Bachelor of Science (Honours) in Audio & Video Production
 Bachelor of Engineering in Electronic Engineering
 Bachelor of Science (Honours) in Electronic Systems
 Bachelor of Engineering in Automation and Control Engineering
 Master of Engineering
 Bachelor of Science (Honours) in Music Production
 Bachelor of Science in Music Technology & Production
 Bachelor of Science in Renewable & Electrical Energy Systems

Bachelor of Science (Honours) in Sustainable Energy Management

Bachelor of Engineering in Technology in Video & Sound Technology

Higher Certificate in Technology in Video & Sound Technology

Apprentice Programme Electrician

Department of Mechanical & Automobile Engineering

Higher Certificate in Engineering in Agricultural Mechanisation

Higher Certificate in Engineering in Automobile Technology

Bachelor of Engineering (Honours) in Facilities Engineering

Bachelor of Engineering in Mechanical Engineering

Higher Certificate in Engineering in Mechanical & Manufacturing Engineering

Bachelor of Engineering in Road Transport Technology Management

Apprentice Programme Fitter

Apprentice Programme Motor Mechanic

Department of Information Technology

Bachelor of Business (Honours) in Business Management Systems

Bachelor of Business in Business Computing

Bachelor of Business (Honours) in Business Computing

Higher Certificate in Business in Business Computing

Bachelor of Science (Honours) in Computer Networks & Systems Management

Masters of Science in Computing

Master of Science

Doctor of Philosophy

Bachelor of Arts in eBusiness Administration Systems

Bachelor of Arts in e-Office Administration

Bachelor of Science (Honours) in Information Systems

Bachelor of Science (Honours) in Internet Systems Development

Bachelor of Science in Internet Systems Development

Bachelor of Science (Honours) in Multimedia Programming and Design

Bachelor of Science (Honours) in Software Development

School of the Built Environment:

Master of Art in Built Environment Management

Bachelor of Science (Honours) in Building Surveying

Bachelor of Science (Honours) in Construction Management

Higher Certificate in Engineering in Civil & Environmental

Bachelor of Engineering in Civil Engineering

Bachelor of Science (Honours) in Civil Engineering Management

Higher Certificate in Science in Construction Studies

Higher Certificate in Science in Construction Practice

Bachelor of Science in Construction Health & Safety

Bachelor of Science in Management (Craft)

Bachelor of Science (Honours) in Property Valuation & Management

Bachelor of Science (Honours) in Quantity Surveying

Bachelor of Science in Sustainable Building & Renewable Energies

Bachelor of Science in Construction Site Management

MSc in Quantity Surveying

Apprentice Programme Floor/Wall Tiler

Apprentice Programme Carpenter / Joiner

LIT Tipperary School:

Bachelor of Arts (Honours) in Accounting and Finance

Bachelor of Business (Honours)

Higher Certificate in Business

Bachelor of Business

Bachelor of Business in Marketing

Higher Certificate in Business and Office Management

Bachelor of Science (Honours) in Sports Strength and Conditioning

Bachelor of Science in Sports Strength and Conditioning

Bachelor of Arts (Honours) in Sustainable Rural Development

Bachelor of Arts (Honours) in Social and Community Studies

Higher Certificate in Science in Computing

Bachelor of Science in Computing

Bachelor of Science (Honours) in Computing Games Design and Development

Higher Certificate in Science in Computing in Information Technology Support

Bachelor of Science in Computing in Information Technology Support

Bachelor of Science (Honours) in Computing in Smart Sustainable Energy

Bachelor of Science in Computing in Smart Sustainable Energy

Bachelor of Science (Honours) in Environment and Natural Resource Management

Socrates / ERASMUS Programme

Bachelor of Science (Honours) in Information Technology in Creative Multimedia

Higher Certificate in Science in Information Technology in Creative Multimedia

Bachelor of Science in Information Technology in Creative Multimedia

3.3.2 LIST OF PART-TIME COURSES

SCHOOL OF ART & DESIGN

Portfolio Preparation

Advanced Portfolio Preparation

Creative Photography

Life Drawing

Adobe Photoshop

Adobe Illustrator

Adobe Flash

The History of Art and Design: from the Industrial Revolution to Modernism

History of Renaissance Art and Architecture

History of Irish Stained Glass In the early 20th century

Looking at Contemporary Art

Introduction to Ceramics: Form and Fire

Fashion Illustration

Texture and Creative Sewing

Design for Hand Knitting

Reduce, Reuse, Recycle - Up-cycling Clothing

Drawing Laboratory

Contemporary Watercolour

Experimental Darkroom Photography

Shima Knit Technology

Fashion Design Summer Course

Animation Summer Course

Portfolio Preparation Summer Course

SCHOOL OF BUSINESS & HUMANITIES

Department of Business

Mandarin Chinese for Beginners

Accounting for Beginners

Certificate in Business Studies

Diploma in Business Studies Years 1 and 2

Bachelor of Business Studies (Hons) Years 1,2,3 and 4

Bachelor of Arts (Public Management) Year 3

Higher Certificate in Business in Retail Management Year 1

Department of Humanities

Multi-Element Behaviour Support – A Short Programme

Leadership and Advocacy

SCHOOL OF THE BUILT ENVIRONMENT

Construction Project Management

Building CAD with Revit Architecture

SCHOOL OF SCIENCE, ENGINEERING & INFORMATION TECHNOLOGY

Department of Electrical & Electronic Engineering

Electrical Systems for Mechanical Personnel

Video Production

Introduction to Midi Sequencing

Introduction to Audio Editing

Adobe Photoshop Foundation Level

Adobe Photoshop Intermediate Level

Domestic Building Energy Ratings

Lab View Basics

Degree in Manufacturing Technology

Semester 1

- Project Management
- Manufacturing Maintenance
- Computer Aided Design
- Programmable Logic Controller Systems (PLCs)
- Quality Methods
- Mathematics
- Manufacturing Systems

Semester 2

- Management Accounting
- Electrical Power Systems
- Programmable Logic Controller Systems (PLCs)
- Advanced PLC Systems
- Industrial Project

Degree in Electrical Technology

Semester 1

- Project Management
- Manufacturing Maintenance
- Computer Aided Design
- Programmable Logic Controller Systems (PLCs)
- Electrical Planning & Layout
- Electrical Testing & Certification
- Mathematics

Semester 2

- Management Accounting
- Electrical Testing & Certification
- Programmable Logic Controller Systems (PLCs)
- Advanced PLC Systems
- Energy Efficiency in Industry
- Electrical Power Systems
- Project

Department of Mechanical & Automobile Engineering

City & Guilds Level 2 – Award in CAD Parametric Modelling (Solidworks)

City & Guilds Level 2 – Award in D Computer Aided Design

City & Guilds Level 2 – Award in Computer Aided Manufacturing

Arc Gas & M.I.G Welding

Plant Hydraulics & Pneumatics

Basic Car Care

Technician Certificate Awards in Mechanical, Electrical & Electronic Engineering Theory

- Option 1 – Technician Certificate in Mechanical Engineering
- Option 2 – Technician Certificate in Electrical & Electronic Engineering
- Option 3 – Technician Certificate in Mechanical, Electrical & Electronic Applications

Technician Diploma Awards in Mechanical & Electrical Engineering Design

& Manufacturing Options

- Option 1 – Technician Diploma Awards in Engineering Theory: Manufacturing Option
- Option 2 – Technician Diploma Awards in Mechanical & Electrical Engineering Theory: Design & Manufacturing Option

Advanced Technician Diploma Awards in Mechanical Engineering Theory: Manufacturing, Design & Manufacturing Options

- Option 1 – Advanced Diploma in Mechanical Engineering Theory: Manufacturing Option
- Option 2 – Advanced Diploma in Mechanical & Electrical Engineering Theory: Design & Manufacture

Department of Information Technology

AutoCAD Architectural – An Introduction to 2D Modelling

Website Design

PC Home Maintenance

Equalskills – An ECDL Programme for Complete Beginners

European Computer Driving Licence (ECDL)

Advanced European Computer Driving Licence (ECDL)

CISCO Certified Network Associate

Department of Applied Science

Introduction to Environmental Legislation & Waste Management

Diploma in Quality Management (Part 1)

Diploma in Quality Management (Part 2)

Certificate of Competence in Workplace Noise Assessment

Risk Assessment & Safety Statement Course

Higher Certificate in Science in Occupational Health & Safety Year 1

NISO Introduction to Occupational Health & Safety

Grow Your Own - Gardening for the Absolute Beginner

LIT TIPPERARY SCHOOL Clonmel Campus

Certificate Accounting Technician (CAT)

Certificate in Adlerian Psychology and Counselling (Level 6, SPA)

Certificate in Jungian Psychology with Art Therapy (Level 6, SPA)

Diploma in Addiction Counselling (Level 7, SPA)

Certificate in Domestic Sustainable Energy (Level 6, SPA)

LIT TIPPERARY SCHOOL Thurles Campus

Certificate Accounting Technician (CAT)

Certificate in Languages - French

Certificate in Leadership in Management in Education (Level 7, SPA)

Certificate in Coaching Skills (Level 7, SPA)

Certificate in Renewable Energy Development (Level 6, SPA)

3.4 EXTERNAL EXAMINERS

COURSES IN THE SCHOOL OF ART & DESIGN

Bachelor of Arts (Hons) in Fine Art (Painting)

Ms. Anne Ryan
Dr. Brendan Rooney

Bachelor of Arts (Hons) in Fine Art (Printmaking)

Ms. Jo Stockham
Dr. Brendan Rooney

Bachelor of Arts (Hons) in Fine Art (Sculpture & Combined Media)

Ms. Amanda Coogan
Dr. Brendan Rooney

Bachelor of Arts (Hons) in Graphic Design

Ms. Ciara Cantwell

Ms. Mary Ann Bolger

Bachelor of Arts (Hons) in Ceramic Design

Ms. Sharon Blakey
Ms. Mary Ann Bolger

Bachelor of Arts (Hons) in Fashion Design

Ms. Cecilia Langemar
Ms. Mary Ann Bolger

Graduate Diploma for Art & Design Teachers

Prof. Glen Coutts
Dr. Maura Cunneen

Master of Arts in Art & Design (Social Practice and the Creative Environment)

Mr. Sean Miller

Master of Arts in Art & Design Education

Mr. Carlos Dekeyrel

Art & Design Year 1 (Main Study – Design)

Mr. Leslie Reed

Art & Design Year 1 (Main Study – Fine Art)

Mr. David Lilburn

COURSES IN THE SCHOOL OF THE BUILT ENVIRONMENT

Department of The Built Environment Construction & Management

Higher Certificate in Science in. Construction

Mr. Thomas M. Gillespie
Mr. Luke Duffy

Bachelor of Science in Construction in Site Management

Mr. Thomas M. Gillespie
Mr. Luke Duffy

Bachelor of Science in Construction in Health & Safety

Mr. Thomas M. Gillespie
Mr. Luke Duffy
Mr. Dermot O'Brien

Higher Certificate in Engineering in Civil Engineering

Dr. Kevin F. McNamara
Mr. Gerard Naughton

Bachelor of Engineering in Civil Engineering

Dr. Kevin F. McNamara
Mr. Gerard Naughton

Bachelor of Engineering in Civil Engineering (3 Year Programme)

Dr. Kevin F. McNamara
Mr. Gerard Naughton

Bachelor of Science in Construction in Site Management (3 Year Programme)

Mr. Thomas M. Gillespie
Mr. Luke Duffy

Bachelor of Science in Construction in Health & Safety (3 Year Programme)

Mr. Dermot O'Brien
Mr. Thomas M. Gillespie
Mr. Luke Duffy

Bachelor of Science in Management (Craft)

Mr. Terry Prenderville

Technology Enhance Teaching & Learning (Special Purpose Award)

Dr. Attracta Brennan

Practice & Reflection in Teaching & Learning (Special Purpose Award)

Dr. Ted Fleming

Higher Certificate in Science in Construction Practice

Mr. Terry Prenderville
Mr. Colin McNamara

Department of The Built Environment Management

Bachelor of Science (Honours) in Construction Management

Dr. Sam Wamuziri
Mr. Matt Shortt

Bachelor of Science (Honours) in Property Valuation & Management

Mr. P.J. Power
Dr. Declan Redmond

Bachelor of Science (Honours) in Quantity Surveying

Mr. Ben Healy
Mr. Andrew Thompson

Bachelor of Science (Honours) in Civil Engineering Management

Dr. Sam Wamuziri
Mr. Matt Shortt

Bachelor of Science (Honours) in Building Surveying

Mr. Anthony Burke
Mr. Patrick McSweeney

Bachelor of Science in Sustainable Building & Renewable Energy

Dr. Keelin Leahy
Mr. Adrian Fleming

Master of Science in Quantity Surveying (Sustainable Public Building)

Mr. Neil Anthony Vaughan
Dr. Leslie Ann Hemphill

COURSES IN THE SCHOOL OF BUSINESS & HUMANITIES

Department of Business

Higher Certificate in Business in Accounting & Finance

Ms. Mary Kelly
Mr. Cedric Chau
Ms. Allison Kenneally

Bachelor of Business in Accounting & Finance

Mr. Shane Moran
Dr. Shane Kilcommins

Bachelor of Business (Hons) in Accounting & Finance

Mr. John Currie
Ms. Allison Kenneally

Higher Certificate in Business in Marketing & Management

Mr. Mark O'Connell
Ms. Allison Kenneally

Higher Certificate in Business in Marketing & Management - French

Dr. Riana Walsh

Bachelor of Business in Marketing & Management

Mr. Conor Kelleher

Bachelor of Business (Honours) in Marketing & Management

Mr. Cian Quilty
Ms. Allison Kenneally

Bachelor of Business (Honours) in Legal Studies & Taxation

Ms. Nicola Bolger
Ms. Allison Kenneally
Dr. Shane Kilcommins
Mr. John Currie
Ms. Una Wodds

Bachelor of Business (Hons) in Accounting & Finance (4 Year Programme)

Mr. Cedric Chau
Mr. John Currie
Ms. Allison Kenneally
Mr. Shane Moran
Ms. Mary Kelly
Dr. Shane Kilcommins

Bachelor of Business (Hons) in Marketing & Management (4 Year Programme)

Mr. Mark O'Connell
Ms. Allison Kenneally
Mr. Cian Quilty
Mr. Conor Kelleher

Bachelor of Business (Hons) in Marketing & Management (4 Year Programme) – French

Dr. Riana Walsh

Master of Business in Marketing & Management Strategy

Dr. Christine Domegan
Mr. Declan Doyle

Higher Certificate in Retail Management

Mr. James McSweeney

Higher Diploma in Business

Ms. Patricia Medcalf

The Department of Humanities

Bachelor of Arts (Honours) in Applied Social Studies in Social Care

Dr. Tony Humphreys
Dr. Aine De Roiste
Ms. Monica Dowling
Ms. Mary P. Corcoran
Dr. Margaret Gilmore
Dr. David Irwin
Mr. Sean McEntee
Mr. Declan Doyle
Mr. Manus Charleton
Ms. Suzanne Kennedy

Bachelor of Arts (Honours) in Business Studies with Event Management

Mr. Tomas Mangan
Ms. Catherine Moylan
Mr. Declan Doyle
Dr. David Irwin
Mr. Colin Gilligan
Ms. Suzanne Kennedy
Ms. Breda Hickey

Higher Certificate in Business Studies in Front Office Management

Ms. Kathleen Griffin
Ms. Catherine Moylan
Mr. Declan Doyle
Mr. Colin Gilligan
Dr. David Irwin

Bachelor of Arts (Honours) in Business with Tourism Management

Ms. Catherine Moylan
Mr. Declan Doyle
Dr. David Irwin
Mr. Colin Gilligan
Ms. Breda Hickey
Mr. Tomas Mangan
Ms. Suzanne Kennedy

Bachelor of Business (Hons) in Business with Sports Management

Ms. Catherine Moylan
Dr. David Irwin
Mr. Declan Doyle
Mr. Tomas Mangan
Ms. Breda Hickey
Mr. Orla Prendergast
Ms. Suzanne Kennedy

Higher Certificate in Arts in Hospitality Studies

Mr. Ciaran OhAnnrachain
Mr. T.J. O'Connor

Higher Certificate in Arts in Culinary Arts

Mr. T.J. O'Connor

Master of Arts in Social Care Management

Ms. Sharon Lambley

Bachelor of Arts (Honours) in Business Studies with Event Management – French

Dr. Riana Walsh

Bachelor of Arts (Honours) in Business with Tourism Management – French

Dr. Riana Walsh

Higher Certificate in Business Studies in Front Office Management - French

Dr. Riana Walsh

COURSES IN THE SCHOOL OF SCIENCE, ENGINEERING & INFORMATION TECHNOLOGY

The Department of Applied Science

Higher Certificate in Science in Applied Chemistry

Dr. Sandra Lenihan
Mr. John O'Keeffe
Dr. Joanna Mason

Higher Certificate in Science in Environmental & Analytical Science

Dr. James Moran
Dr. Padraic Larkin
Dr. Joanna Mason

Bachelor of Science in Environmental & Chemical Analysis

Dr. James Moran
Dr. Padraic Larkin
Dr. Joanna Mason

Bachelor of Science in Chemical Instrumentation\Analytical Methods

Dr. Sandra Lenihan
Mr. John O'Keeffe

Bachelor of Science (Honours) in Chemical Instrumentation and Analysis

Dr. Sandra Lenihan
Mr. John O'Keeffe

Higher Certificate in Science in Applied Biology

Dr. Siobhan McClean
Ms. Riona Doherty
Dr. Joanna Mason

Bachelor of Science in Applied Biology

Ms. Riona Doherty
Dr. Siobhan McClean
Dr. Joanna Mason

**Bachelor of Science (Honours) in
Bio-Analysis & Biotechnology**

Dr. Siobhan McClean
Dr. Padraic Larkin

**Bachelor of Science in
Pharmaceutical & Forensic**

Analysis

Dr. Geraldine O'Donnell
Dr. Danie McSweeney
Dr. Joanna Mason

**Bachelor of Science (Honours)
in Pharmaceutical & Forensic
Analysis**

Dr. Geraldine O'Donnell
Dr. Danie McSweeney
Dr. Joanna Mason

**Bachelor of Science (Honours)
in Drug & Medicinal Product
Analysis**

Dr. Sandra Lenihan
Dr. Joanna Mason
Mr. John O'Keeffe

**Higher Certificate in Science in
Good Manufacturing Practice &
Technology**

Dr. Ann Toebes
Ms. Pauline O'Flanagan

The Department of Electrical & Electronic Engineering

**Bachelor of Engineering in
Electronic Engineering**

Dr. Oliver P. Gough
Ms. Fionnuala Callan

**Bachelor of Engineering in Video
and Sound Technology**

Mr. Paul Barron
Mr. Don Mullane

**Bachelor of Science (Honours) in
Sustainable Energy Management**

Mr. Ruairi Brennan
Mr. Michael O'Toole

**Bachelor of Science (Honours) in
Electronic Systems**

Mr. Maurice De Courcy
Dr. Michael J. Connelly

**Bachelor of Engineering in
Technology in Manufacturing
Engineering**

Mr. David Williams

**Bachelor of Science (Honours) in
Audio & Video Production**

Ms. Sarah Blake
Dr. Karen Power

**Bachelor of Engineering
in Automation & Control
Technology**

Mr. Barry Curry
Dr. Ciaran MacNamee

**Bachelor of Science in Renewable
& Electrical Energy Systems**

Mr. Ruairi Brennan
Mr. Michael O'Toole

**Bachelor of Science (Hons) in
Music Production**

Ms. Sara Blake
Dr. Karen Power

**Higher Certificate in Engineering
in Technology in Video & Sound
Technology**

Mr. Paul Barron
Mr. Don Mullane

**Bachelor of Science in Music
Technology & Production**

Mr. Bob Jackson
Mr. Philip Manzor

**Bachelor of Engineering in
Electrical Technology**

Mr. David Williams

The Department of Mechanical & Automobile Engineering

**Higher Certificate in Engineering
in Automobile Technology**

Mr. Kevin Delaney
Mr. Joseph Power

**Higher Certificate in Engineering
in Agricultural Mechanisation**

Mr. James Carroll
Dr. Tony Woodcock

**Bachelor of Engineering in
Road Transport Technology &
Management**

Mr. Kevin Delaney
Prof. Jim Saker

**Higher Certificate in Engineering
in Mechanical & Manufacturing
Engineering**

Mr. Kenneth Corless
Mr. Gavin Warner

**Bachelor of Engineering in
Mechanical Engineering**

Mr. Kenneth Corless
Mr. Gavin Warner

**Bachelor of Engineering in
Facilities Engineering**

Mr. Keith Vaughn
Mr. Donagh O'Shaughnessy

The Department of Information Technology

Bachelor of Science (Honours) in Information Systems

Dr. Cornelia Connolly

Higher Certificate in Business in Business Computing

Dr. Cornelia Connolly

Dr. Ralf Burbach

Mr. Justin Keogan

Bachelor of Business in Business Computing

Dr. Cornelia Connolly

Dr. Ralf Burbach

Mr. Justin Keogan

Bachelor of Business (Honours) in Business Computing

Dr. Cornelia Connolly

Dr. Ralf Burbach

Mr. Justin Keogan

Higher Certificate in Business in Business Computing /French

Dr. Riana Walsh

Bachelor of Science (Honours) in Software Development

Mr. Paul Powell

Dr. Cornelia Connolly

Bachelor of Science (Honours) in Multimedia Computing with Design

Dr. Brian Nolan

Dr. Cornelia Connolly

Bachelor of Science (Honours) in Computer Networks and Systems Management

Dr. Brian Nolan

Bachelor of Science (Honours) in Logistics & Supply Chain Management

Mr. Justin Keogan

Dr. Ralf Burbach

Bachelor of Arts in Business Administration Systems

Dr. Cornelia Connolly

Mr. Justin Keogan

M.Sc. in Computing

Dr. Anthony Keane

Dr. Marian Ventuneac

Bachelor of Business (Honours) in Business Management Systems

Dr. Cornelia Connolly

Dr. Ralf Burbach

Mr. Justin Keogan

Bachelor of Science in Internet Systems Development

Mr. Paul Powell

Dr. Cornelia Connolly

Bachelor of Science (Honours) in Internet Systems Development

Mr. Paul Powell

COURSES IN THE LIT TIPPERARY SCHOOL

Higher Certificate in Business in Office Management

Mr. Shane Hill

Dr. Martin Quinn

Mr. Sean McHugh

Ms. Cindy O'Shea

Higher Certificate in Business

Mr. Shane Hill

Dr. Martin Quinn

Mr. Sean McHugh

Ms. Cindy O'Shea

Higher Certificate in Business/ French

Dr. Ruth Harris

Bachelor of Business

Mr. Shane Hill

Dr. Martin Quinn

Mr. Sean McHugh

Ms. Cindy O'Shea

Bachelor of Business / French

Dr. Ruth Harris

Bachelor of Business (Honours)

Mr. Shane Hill

Dr. Martin Quinn

Mr. Sean McHugh

Ms. Cindy O'Shea

Bachelor of Business (Honours) / French

Dr. Ruth Harris

Bachelor of Business in Marketing

Mr. Shane Hill

Dr. Martin Quinn

Mr. Sean McHugh

Ms. Cindy O'Shea

Bachelor of Arts (Honours) in Accounting & Finance

Dr. Martin Quinn

Ms. Cindy O'Shea

Bachelor of Science (Honours) in Sports Strength & Conditioning

Mr. Gerry Fitzpatrick

Ms. Cindy O'Shea

Mr. Shane Hill

Bachelor of Science in Sports Strength & Conditioning

Mr. Gerry Fitzpatrick

Ms. Cindy O'Shea

Mr. Shane Hill

Bachelor of Arts (Honours) in Sustainable Rural Development

Dr. Bernadette O'Regan

Dr. Margaret O'Keeffe

Ms. Cindy O'Shea

Higher Certificate in Science in Computing

Dr. Michael English

Ms. Cindy O'Shea

Bachelor of Science in Computing

Dr. Michael English
Mr. Shane Hill
Ms. Cindy O'Shea

Bachelor of Science (Honours) in Computing in Games Design & Development

Dr. Michael English
Mr. Shane Hill
Ms. Cindy O'Shea

Higher Certificate in Science in Computing in Information Technology Support

Dr. Michael English
Mr. Shane Hill
Ms. Cindy O'Shea

Bachelor of Science in Computing in Information Technology Support

Dr. Michael English
Mr. Shane Hill
Ms. Cindy O'Shea

Bachelor of Science (Honours) in Computing in Smart Sustainable Energy Technologies

Dr. Michael English
Mr. Shane Hill
Ms. Cindy O'Shea

Bachelor of Science in Computing in Smart Sustainable Energy Technologies

Dr. Michael English
Mr. Shane Hill
Ms. Cindy O'Shea

Bachelor of Science (Honours) in Environmental & Natural Resource Management

Dr. Bernadette O'Regan
Ms. Cindy O'Shea

Bachelor of Science (Honours) in IT in Creative Multimedia

Dr. David Irwin
Ms. Cindy O'Shea

Higher Certificate in Science in IT in Creative Multimedia

Dr. David Irwin
Ms. Cindy O'Shea

Bachelor of Science in IT in Creative Multimedia

Dr. David Irwin
Ms. Cindy O'Shea

Bachelor of Arts (Honours) in Social & Community Studies

Dr. Margaret O'Keeffe

Certificate in Domestic Sustainable Energy (Special Purpose Award)

Mr. Chris Gibbons

Certificate in Renewable Energy Development (Special Purpose Award)

Mr. Chris Gibbons

Certificate in Jungian Psychology with Art Therapy (Special Purpose Award)

Ms. Mary Smail

Certificate in Coaching Skills (Special Purpose Award)

Ms. Mary Lawless

Certificate in Leadership & Management in Education (Special Purpose Award)

Ms. Nuala Harding

Certificate in Adlerian Counselling (Special Purpose Award)

Ms. Ailbhe Harrington

Diploma in Addiction Counselling (Special Purpose Award)

Mr. Johnny Casey



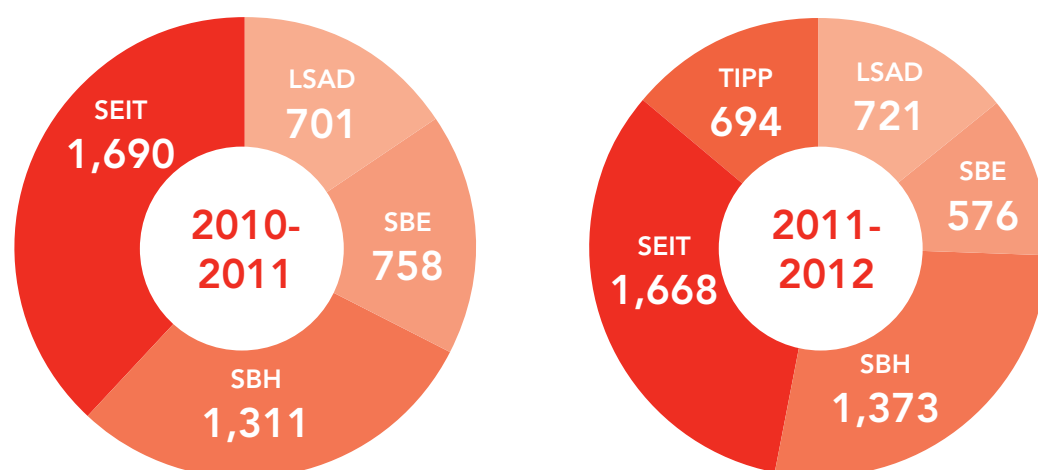
3.5 STUDENT NUMBERS ANALYSIS

3.5.1 STUDENTS REGISTERED ON FULL-TIME THIRD LEVEL COURSES BY YEAR 5 YEAR TREND



* 2011-2012 figures Include LIT Tipperary School Student Numbers

3.5.1 STUDENTS REGISTERED ON FULL-TIME THIRD LEVEL COURSES BY YEAR. PROGRESSION OF GROWTH OVER 2 YEARS.

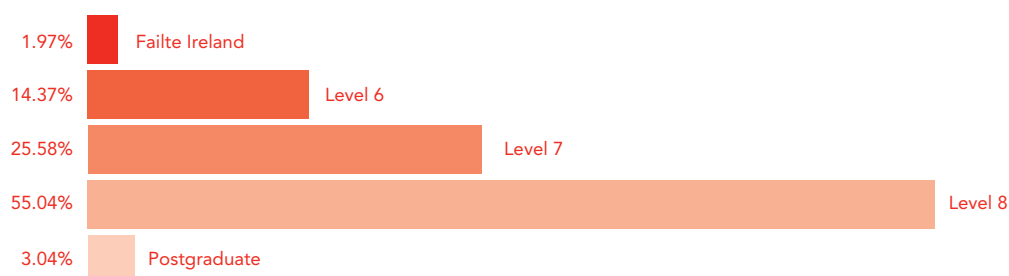


TIPP LIT Tipperary School
LSAD School of Art & Design
SBE School of the Built Environment

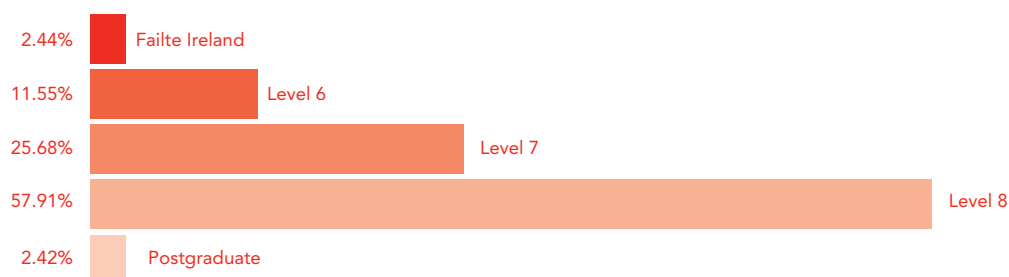
SBH School of Business & Humanities
SEIT School of Science, Engineering & Information Technology

3.5.2 WHOLE-TIME EQUIVALENT STUDENTS REGISTERED ON ALL COURSES BY YEAR AND BY QUALIFICATION TYPE OVER 2 YEARS.

2010-2011

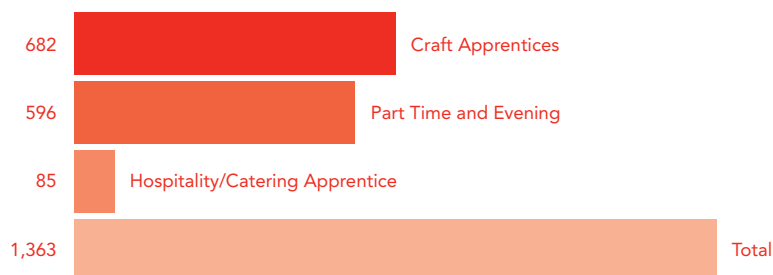


2011-2012

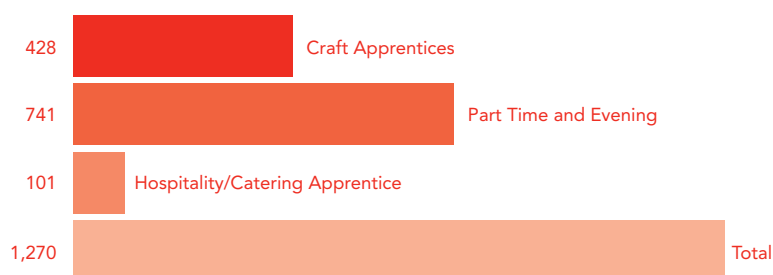


3.5.3 STUDENTS REGISTERED ON PART-TIME COURSES OR FULL-TIME CRAFT APPRENTICES BY YEAR

2010-2011

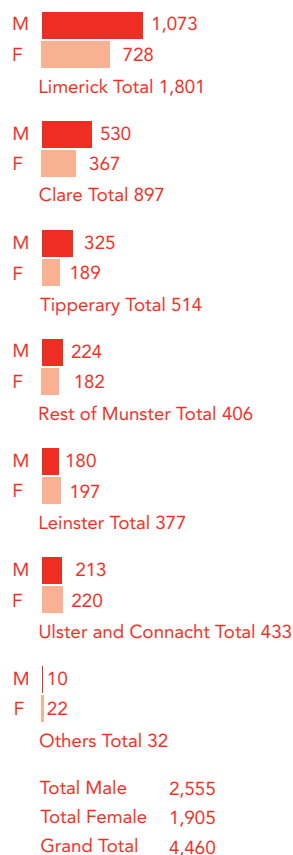


2011-2012

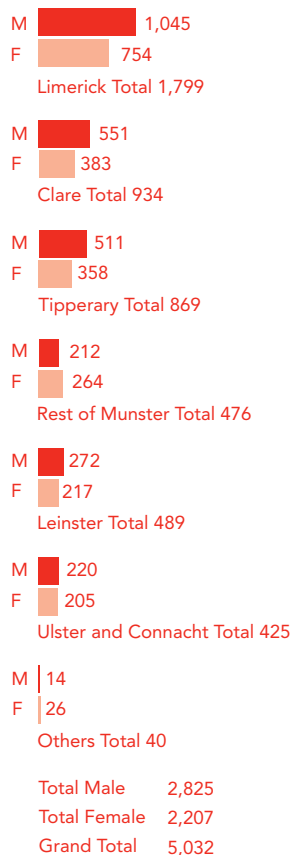


3.5.4 DOMICILIARY ORIGIN AND GENDER OF FULL-TIME STUDENTS

2010-2011

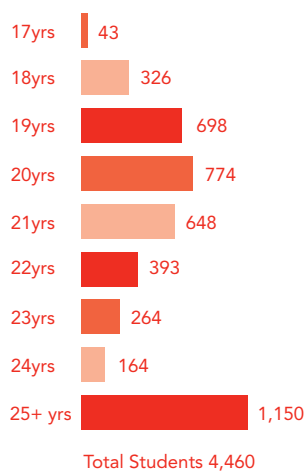


2011-2012

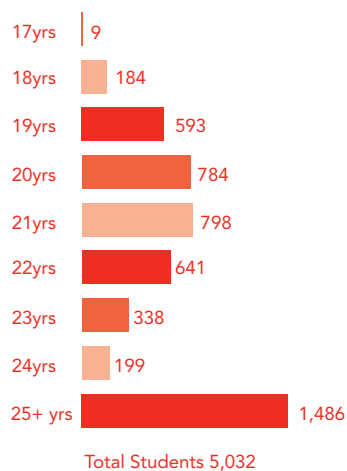


3.5.5 AGE PROFILE OF FULL-TIME STUDENTS

2010-2011

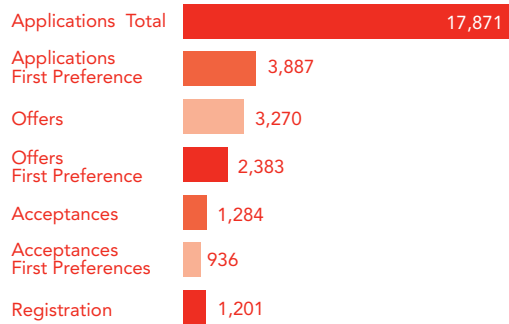


2011-2012

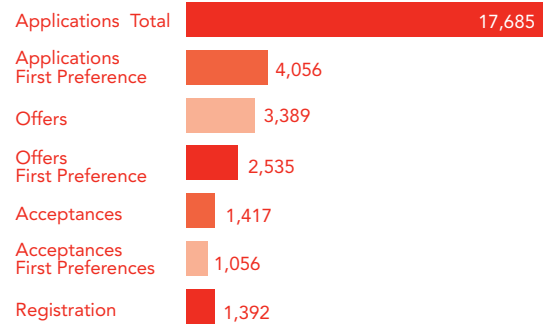


3.5.6 APPLICATIONS, OFFERS & ACCEPTANCES – FULL TIME THIRD LEVEL

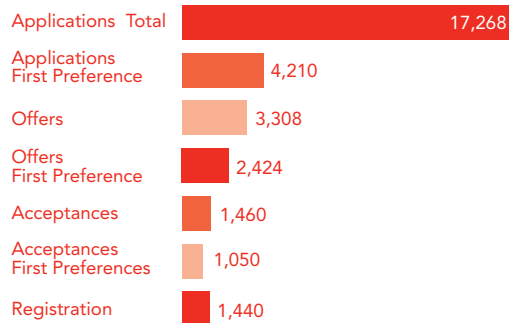
2007



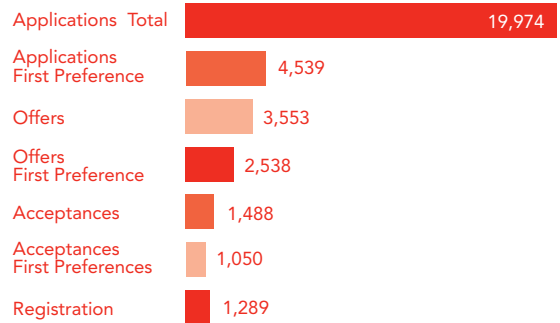
2008



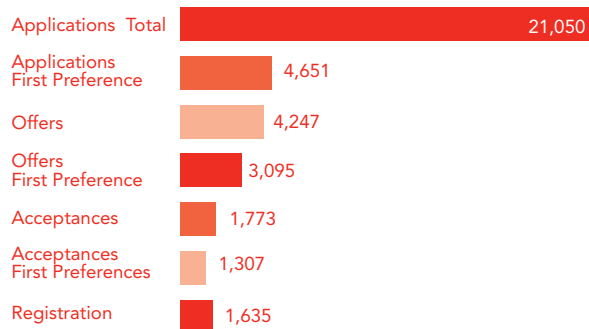
2009



2010

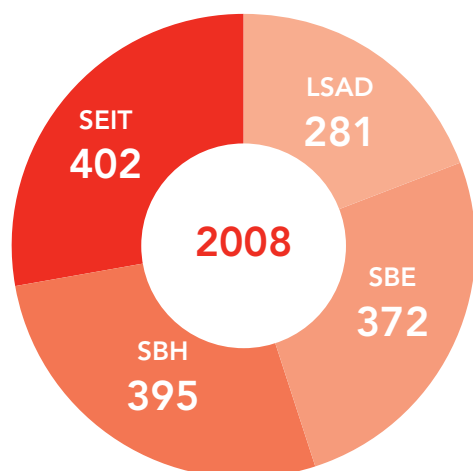


2011

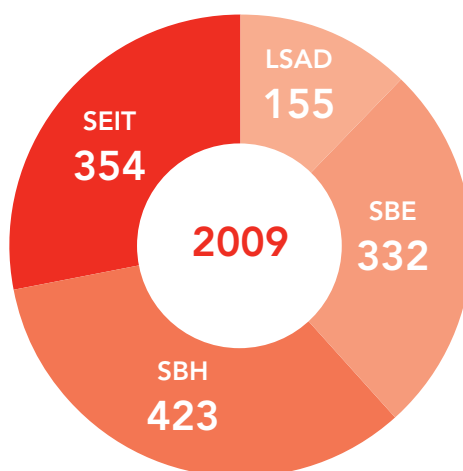


3.5.7 GRADUATES

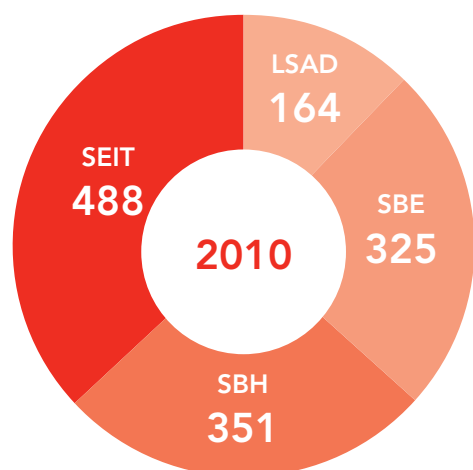
(Note these figures include only LIT, HETAC and FETAC awards)



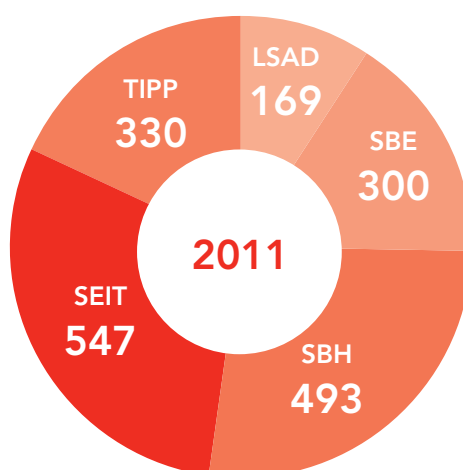
Total Graduated 1,450



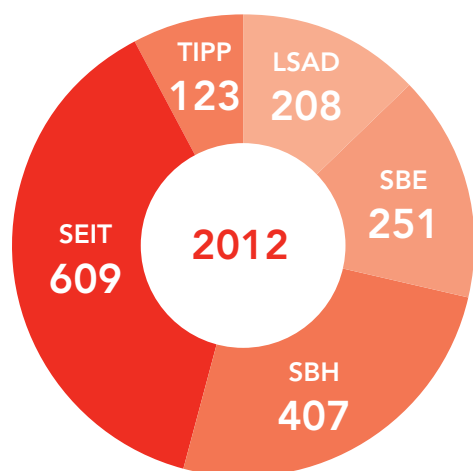
Total Graduated 1,264



Total Graduated 1,328



Total Graduated 1,839



Total Graduated 1,598

TIPP LIT Tipperary School

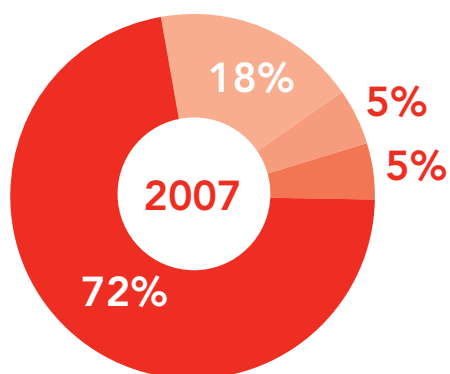
LSAD School of Art & Design

SBE School of the Built Environment

SBH School of Business & Humanities

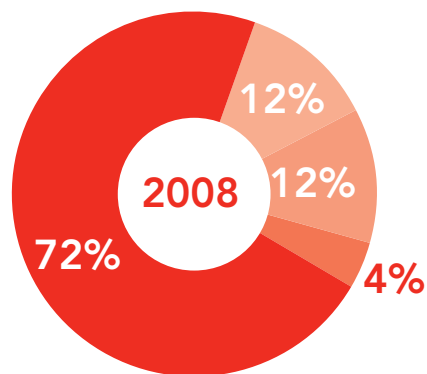
SEIT School of Science, Engineering & Information Technology

3.5.8 FIRST DESTINATION OF GRADUATES



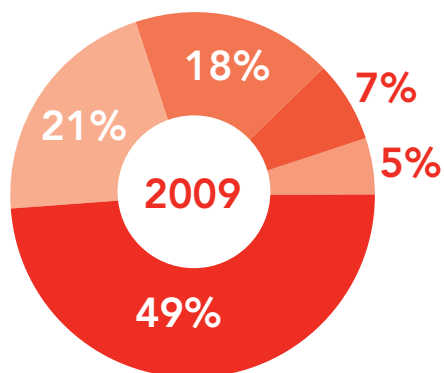
2007

In Employment	72%
In Further Study or training	18%
Seeking Employment	5%
Not Available	5%



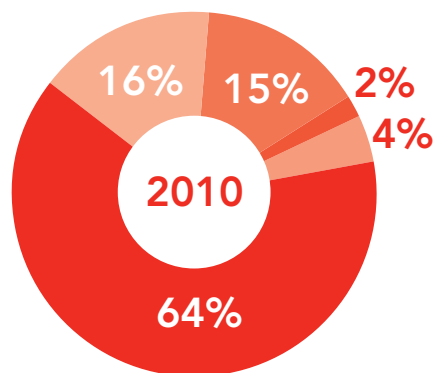
2008

In Employment	72%
In Further Study or training	12%
Seeking Employment	12%
Not Available	4%



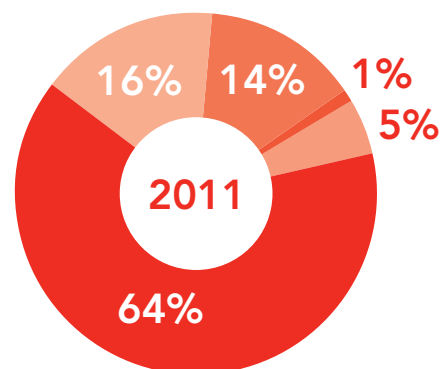
2009

In Employment	49%
In further study or training	21%
Seeking Employment	18%
Not available for employment or study	7%
unpaid/Employment/Volunteering	5%



2010

In Employment	64%
In Further Study or training	16%
Seeking Employment	15%
Not Available for employment or study	2%
Unpaid Employment/Volunteering	4%



2011

In Employment	64%
In Further Study or training	16%
Seeking Employment	14%
Not Available for employment or study	1%
Unpaid Employment/Volunteering	5%

3.6 SPECIAL MERIT AWARDS

DEPARTMENT OF APPLIED SCIENCE

LENNOX LABORATORIES AWARD

For excellence on the Bachelor of Science in Chemical Instrumentation/Analytical Methods

Awarded to: Clare Moffat

Details of Award: Framed Certificate and Cheque.

THE THOMAS CARROLL PERPETUAL AWARD

For excellence on the Bachelor of Science (Honours) in Chemical Instrumentation & Analysis

Awarded to: Conan McDonnell

Details of Award: Perpetual Trophy and Cheque.

SEROSEP LIMITED AWARD

For excellence on the Higher Certificate in Science in Environmental & Analytical Science

Awarded to: Anthony Grey

Details of Award: Cheque.

B.H.P. LABORATORIES AWARD

For excellence on the Higher Certificate in Science in Good Manufacturing Practice and Technology

Awarded to: Cornelius Regan

Details of Award: Cheque.

BECKMAN COULTER BIOMEDICAL IRELAND AWARD

For excellence on the Bachelor of Science in Applied Biosciences

Awarded to: Siobhan Haley

Details of Award: Cheque.

KERRY GROUP AWARD

For excellence on the Bachelor of Science (Honours) in Bio-analysis and Bio-technology

Awarded to: Thomas Cole

Details of Award: Cheque.

JVA ANALYTICAL AWARD

For excellence on the Bachelor of Science (Honours) in Pharmaceutical & Forensic Analysis

Awarded to: Olena Madden

Details of Award: Cheque.

ALLIED IRISH BANKS AWARD

For excellence on the Bachelor of Science (Honours) in Drug and Medicinal Product Analysis

Awarded to: Ronan Mullane

Details of Award: Cheque.

ROCHE IRELAND LIMITED AWARD

For overall outstanding excellence in Science

Awarded to: Hazel Pearse

Details of Award: Cheque.

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

KIRBY GROUP ENGINEERING LTD. AWARD

For excellence on the Bachelor of Engineering in Engineering in Electronic Engineering

Awarded to: Gary McCarthy

Details of Award: Cheque.

DEMESNE AWARD

For excellence on the Bachelor of Science (Honours) in Electronic Systems

Awarded to: Conall MacKernan

Details of Award: Cheque.

ALLIED IRISH BANKS GREEN INITIATIVE AWARD

For excellence on the Bachelor of Science in Renewable and Electrical Energy Systems

Awarded to: Vladislav Miklusicak

Details of Award: Cheque.

ANALOG DEVICES B.V. AWARD

For excellence on the Bachelor of Science (Honours) in Sustainable Energy Management

Awarded to: Pat Connolly

Details of Award: Cheque.

ANALOG DEVICES B.V. AWARD

For excellence on the Bachelor of Engineering in Automation and Control Technology

Awarded to: Patrick Byrne

Details of Award: Cheque.

O'MAHONY'S BOOKSELLERS AWARD

For excellence on the Bachelor of Engineering in Technology in Video and Sound Technology

Awarded to: Ray Fennelly

Details of Award: Book Voucher and Cheque.

O'MAHONY'S BOOKSELLERS AWARD

For excellence on the Bachelor of Science (Honours) in Audio and Video Production

Awarded to: Peter Moloney

Details of Award: Book Voucher and Cheque.

SPIN SOUTH WEST AWARD

For excellence on the Bachelor of Science in Music Technology and Production

Awarded to: Rod Smith

Details of Award: Bank Transfer €300.

RTÉ LYRIC FM

For excellence on the Bachelor of Science (Honours) in Music Production

Awarded to: Joseph Mulcahy

Details of Award: Cheque.

DEPARTMENT OF MECHANICAL & AUTOMOBILE ENGINEERING

THE VOLKSWAGON GROUP IRELAND AWARD

For excellence on the Higher Certificate in Engineering in Automobile Technology

Awarded to: Keith Moroney

Details of Award: Dublin Crystal Plaque.

THE FARM TRACTOR MACHINERY TRADE ASSOCIATION AWARD

For excellence on the Higher Certificate in Engineering in Agricultural Mechanisation

Awarded to: Andrew Connor

Details of Award: Plaque & Cheque (€150).

KOSTAL IRELAND AWARD

For excellence on the Higher Certificate in Engineering in Mechanical & Manufacturing Engineering

Awarded to: James Fitzpatrick

Details of Award: Cheque & Trophy.

MTECH Award

For excellence on the Bachelor of Engineering in Mechanical Engineering

Awarded to: Christopher Shannon

Details of Award: Voucher.

MTECH Award

For excellence on the Bachelor of Engineering (Hons) in Facilities Engineering

Awarded to: Adrian Chaplin

Details of Award: Voucher.

STL LOGISTICS AWARD

For excellence on the Bachelor of Engineering in Road Transport Technology & Management

Awarded to: Kevin Bourke

Details of Award: Piece of Glass and a Cheque.

DEPARTMENT OF INFORMATION TECHNOLOGY

MICROSOFT AWARD

For excellence on the Bachelor of Business (Honours) in Business Computing

Awarded to: Aoife Leahy

Details of Award: Nokia Lumia 710, phone.

IRISH COMPUTER SOCIETY AWARD

For excellence on the Bachelor of Business (Honours) in Business Management Systems

Awarded to: Jane Fitzpatrick

Details of Award: Cheque (€250)

FITZPATRICK COMPUTER GROUP AWARD

For excellence on the Bachelor of Science (Honours) in Multimedia Programming and Design

Awarded to: Mike Nolan

Details of Award: Digital Camera.

ERICSSONS AWARD

For excellence on the Bachelor of Science (Honours) in Software Development

Awarded to: Dermot Blair

Details of Award: Voucher & Certificate.

DELL AWARD

For excellence on the Bachelor of Science (Honours) in Computer Networks & Systems Management

Awarded to: Sharon Keane

Details of Award: Cheque (€450) & Crystal.

O2 AWARD

For excellence on the Bachelor of Science (Hons) in Internet Systems Development

Awarded to: Michael O'Loughlin

Details of Award: HTC Phone.

COMMNET AWARD

For excellence on the Master of Science in Computing

Awarded to: John Stapleton

Details of Award: Cheque (€250).

LIT STUDENT OF THE YEAR - PRESIDENT'S AWARD FOR BEST OVERALL STUDENT

Awarded to: Adrian Chaplin – Department of Mechanical & Automobile Engineering

Details of Award: Silver Pen & Cheque €250).

SCHOOL OF ART & DESIGN

DEPARTMENT OF FINE ART

THE REVENUE COMMISSIONERS AWARD

PURCHASE PRIZE AWARD

Presented for overall excellence shown during the BA (Hons) degree in Fine Art (painting).

Awarded to: Ramona O'Halloran

Details of Award: Receiving a cheque for €1,000.

THE REVENUE COMMISSIONERS AWARD

Presented for excellence shown during the BA (Hons) degree in Fine Art (Painting) - (2 awards).

Awarded to: Cillian Boyd and Melissa Kavanagh

Details of Award: Each receiving a cheque for €750.

THE REVENUE COMMISSIONERS AWARD

Presented for excellence shown during the BA (hons) degree in Fine Art (Painting) - (1 award).

Awarded to: Joe Noonan

Details of Award: Receiving a cheque for €500.

OONA O'BRIEN KELLY MEMORIAL AWARD

Presented to the student who has accomplished excellence in figurative work.

Awarded to: Ben McKernan

Detail of Award: Receiving a cheque for €500.

LIMERICK ART SOCIETY AWARD

For excellence shown on the BA in Fine Art (Painting).

Awarded to: Lorraine Masters

Details of Award: Receiving a cheque and engraved medal.

LIMERICK PRINTMAKERS AWARD

For excellence shown on the B.A. (Hons) in Fine Art (Printmaking).

Awarded to: Niamh Fahy

Details of Award: The entire facility will be available for use for one year FREE OF CHARGE and the recipient will have the opportunity to have their first solo-show in the Gallery at the end of that year. This is an important opportunity for a graduating student from the Department as it assists the continued development of a young artist's work after graduation.

CORK PRINTMAKERS RESIDENCY AWARDS

For excellence shown on the B.A. (Hons) in Fine Art (Printmaking) – (2 awards).

Awarded to: Imelda Donohoe, Rebekah Nolan

Details of Award: This is an important opportunity for a graduating student from the Printmaking

course as it assists the continued development of a young artist's work after graduation. Each receiving a 1 year residency.

FABER STUDIOS AWARD

For excellence shown on the B.A. (Hons) in Fine Art (Sculpture & Combined Media) – (2 awards).

Awarded to: Declan Casey and Anastasia Artemeva.

BELMONT MILL & ARTISTS STUDIOS BURSARY AWARD

In the B.A. (Hons) in Fine Art (Sculpture & Combined Media).

Awarded to: Declan Casey

Details of Award: Residency at Belmont Mill, funded by the Arts Council of Ireland and Offaly County Council in relation to Graduate Artists.

THE IRISH TIMES AWARD

For excellence shown on the Higher Diploma in Art for Art and Design Teachers.

Awarded to: Cliona Geary

Details of Award: Receiving a specially commissioned piece of work.

DEPARTMENT OF DESIGN SPECIAL AWARDS

AIB CERAMIC DESIGN AWARD

For excellence shown on the B.A. (Honours) Degree in Design (Ceramics)

Awarded to: Aislinn O'Flynn

Details of Award: Receiving a cheque for €150.

SCHOOL OF BUSINESS & HUMANITIES

DEPARTMENT OF BUSINESS

ALLIED IRISH BANKS AWARD

For excellence on the Higher Certificate in Business in Accounting & Finance Level 6

Awarded to: Ciara Aherne

Details of Award: Perpetual Trophy and cheque €150.

CHARTERED INSTITUTE OF MANAGEMENT ACCOUNTANTS IRELAND AWARD

For excellence in Management Accounting on the Higher Certificate in Business in Accounting & Finance Level 6

Awarded to: Ciara Aherne

Details of Award: Parchment & Cheque.

ERNST & YOUNG, CHARTERED ACCOUNTANTS AWARD

For excellence on the Bachelor of Business in Accounting & Finance Level 7
Awarded to: Louise Gavin
Details of Award: Cheque.

COLLECTOR GENERAL REVENUE COMMISSIONERS AWARD

For excellence in Tax and Law on the Bachelor of Business (Hons) in Accounting & Finance Level 8
Awarded to: Elaine Hanrahan
Details of Award: Silver Medal and cheque.

CHARTERED INSTITUTE OF MANAGEMENT ACCOUNTANTS IRELAND AWARD

For excellence in Financial Management on the Bachelor of Business (Hons) in Accounting & Finance Level 8
Awarded to: Eoghan O'Connor
Details of Award: Parchment & Cheque.

THE INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS IN IRELAND AWARD

For excellence on the Bachelor of Business (Hons) in Accounting & Finance Level 8
Awarded to: Louise Diver
Details of Award: Cheque.

BDO AWARD

For excellence on the Bachelor of Business (Hons) in Law & Taxation Level 8
Awarded to: Mark Cullinan
Details of Award: Cheque.

SOUTHERN - MARKETING, DESIGN & MEDIA AWARD

For excellence on the Bachelor of Business (Hons) in Marketing & Management Level 8
Awarded to: Anne Cusack
Details of Award: Cheque €200.

GREAT LIMERICK RUN AWARD

For excellence on the Master of Business in Marketing & Management Strategy
Awarded to: David Mullane
Details of Award: Cheque.

DEPARTMENT OF HUMANITIES

SCI AWARD

For academic excellence on the Bachelor of Arts (Hons) in Applied Social Studies in Social Care level 8

Awarded to: Sarah Curtin
Details of Award: Glass Trophy.

BROTHERS OF CHARITY SERVICES LIMERICK AWARD

For excellent performance in the final year of the Bachelor of Arts (Hons) in Applied Social Studies in Social Care level 8
Awarded to: Marion Schulz
Details of Award: Silver Medal.

SHANNON HERITAGE AWARD

For excellence on the Bachelor of Arts (Hons) in Business Studies with Tourism Management Level 8
Awarded to: Annie Cowhey
Details of Award: Silver Medal.

THE SAVOY HOTEL AWARD

For excellence on the Higher Certificate in Business in Hotel Front Office Management Level 6
Awarded to: Aine O'Donnell
Details of Award: Glass.

FÁILTE IRELAND AWARD

For excellence on the Higher Certificate in Arts in Culinary Arts level 6
Awarded to: Patrece Ryan
Details of Award: Cheque.

FÁILTE IRELAND AWARD

For excellence on the Higher Certificate in Arts in Hospitality Studies Level 6
Awarded to: Sandra Longe
Details of Award: Cheque.

SCHOOL OF THE BUILT ENVIRONMENT

THE ALLIED IRISH BANKS AWARD

For excellence on the Higher Certificate in Construction
Awarded to: James McNamara
Details of Award: Allied Irish Banks Perpetual Trophy and Bank Draft.

THE C.I.O.B. AWARD

For excellence in the Final Year Project on the B.Sc. in Construction in Site Management
Awarded to: Ivan Roche
Details of Award: Medallion and Certificate of Excellence.

THE P. J. HEGARTY & SONS AWARD

For excellence on the B. Sc. in Construction in Health & Safety

Awarded to: Mark Moloney

Details of Award: Commemorative Silver Medal and Gift Cheque.

THE ROADSTONE WOOD GROUP AWARD

For excellence on the Higher Certificate in Engineering in Civil and Environmental Engineering

Awarded to: Ferdia Kenny

Details of Award: Roadstone Perpetual Cup and Gift Cheque.

THE PUNCH CONSULTING ENGINEERS AWARD

For excellence on the B. Eng. in Civil Engineering

Awarded to: Leanne Leonard

Details of Award: Gift Cheque.

THE AIDAN FEENEY PERPETUAL AWARD

For excellence in the subject "Highways" on the B. Eng. in Civil Engineering

Awarded to: Leanne Leonard

Details of Award: The Aidan Feeney Perpetual Trophy.

THE C.I.O.B AWARD

For excellence on the B.Sc. (Hons.) in Civil Engineering Management

Awarded to: Patrick Fuller

Details of Award: Medallion and Certificate of Excellence.

THE C.I.O.B AWARD

For excellence in the Dissertation on the Final Year of the B.Sc. (Hons.) in Civil Engineering Management

Awarded to: James Coyle

Details of Award: Medallion and Certificate of Excellence.

THE DAVIS LANGDON (An AECOM COMPANY) AWARD

For excellence on the Final Year of the B.Sc. (Hons.) in Quantity Surveying

Awarded to: Hugh Wright

Details of Award: Gift Cheque.

THE BRUCE SHAW PARTNERSHIP AWARD

For excellence in the Dissertation in the Final Year of the B.Sc. (Hons.) in Quantity Surveying

Awarded to: Lisa Duignan

Details of Award: Engraved Crystal Plate and Gift Cheque.

THE SOCIETY OF CHARTERED SURVEYORS IRELAND (SCSI) AWARD

(Sponsored by The Irish Examiner)

For excellence on the Final Year of the B.Sc. (Hons.) in Property Valuation and Management

Awarded to: Geraldine Hickey

Details of Award: Gift Cheque.

THE CONSTRUCTION INDUSTRY FEDERATION (CIF) AWARD

For excellence on the Final Year of the B.Sc. (Hons.) in Construction Management

Awarded to: Michael O'Grady

Details of Award: Commemorative Silver medal.

THE C.I.O.B. AWARD

For excellence in the Dissertation on the Final Year of the B.Sc. (Hons.) in Construction Management

Awarded to: Dermot Galvin

Details of Award: Medallion and Certificate of Excellence.

LIT TIPPERARY SCHOOL

DEPARTMENT OF TECHNOLOGY MEDIA AND SCIENCE AND THE DEPARTMENT OF BUSINESS EDUCATION AND SOCIAL SCIENCES.

SOUTH TIPP COUNTY COUNCIL AWARD

For BA rural development:

Awarded to: Gay-Caroline Bernal and Ciaran O'Shea, Bachelor of Arts (Honours) in Sustainable Rural Development.

DEPARTMENT OF BUSINESS EDUCATION AND SOCIAL SCIENCES.

DONAL CROSSE AWARD

For best performance in personal development first year module:

Awarded to: Diarmuid Brennan, Bachelor of Science in Sports Strength and Conditioning.

AIB TIPPERARY SCHOOL STUDENT OF YEAR AWARD:

Awarded to: Nattalie Hanley, Bachelor of Arts (Honours) Accounting and Finance.

3.7 STUDENT SERVICES

(A) TEACHING & LEARNING CENTRE

The Teaching and Learning Centre is charged with developing an academic-driven approach to the use of new pedagogies and educational technologies. The Centre supports learners and teaching staff in the Institute to make effective use of both traditional and innovative methods of developing and delivering curricular improvements, and successful pedagogical models that are enhanced by educational technologies. The Teaching and Learning Centre contributes to the central goal of improving Institutional effectiveness in assisting and retaining students. The responsibilities of the Centre are essentially two-fold, "Academic Support" and "Learning Support".

Learning Support Unit (LSU)

Once again it was a busy year for the Learning Support Unit with a total of 886 students registered for support in the Learning Support Unit for the academic year 2011/2012.

3587 hours of tuition were delivered by 63 tutors. 860 full-time students and 26 Apprentice students received tuition from the LSU. Tuition for LIT Tipperary commenced in January 2012 once tutors were interviewed.

As in recent years, we offered workshops and grouped students as much as was possible to again improve the cost-effectiveness of the service provided.

In addition to the LSU budget, we received funding of €15,000 from the Fund for Students with Disability for support to 209 students with educational difficulty. We also received funding of €640 from the Access Office for a Dormant Account Fund for Mature Students to provide workshops for mature students throughout the year. The mature student workshops covered Study Skills, Exam Techniques, IT Skills, TurnItIn (Plagiarism Software), Academic English, Electronics and Maths. The workshops were well attended and the feedback from the students was very positive.

A key success of the Learning Support Unit is Peer Assisted Learning. Here the junior students

get tuition from other students, usually final year students or post-graduate students. This works well as students relate positively to their peers, supporting group learning.

A request for feedback on the LSU services was circulated to all LSU students and tutors. The feedback was very positive with many students noting that the service was essential to the successful completion of their studies. Tutors also confirmed that the services provided were meeting students' needs.

Student Results:

Of the 860 full-time Limerick and Tipperary students who attended the Learning Support Unit, 18% received a quality award, 67% received a pass, or better, in their examinations and 87% received exemptions, or better, in their examinations. Only 21 of the 860 mainstream students failed outright. There is anecdotal evidence that without the LSU, many of the students at the pass margin would not have passed.

(B) CHAPLAINCY @ LIT

LIT welcomes students of all religions and of none. The Institute has two chaplains based in Limerick and Thurles. 2011-2012 was a busy year involving many activities such as:

- Prayer/Memorial services
- Representing the Institute at funerals
- Hospital visits
- The Intentions book.
- Presenting chaplaincy during the Induction process for new students
- Chairman of the Student Emergency Fund
- Fee Waiver applications processing
- Involvement in Student Union activities
- Active involvement in all clubs and societies
- Available to students and staff as required

The Fee Waiver program was reviewed during the year which led to a more flexible approach to applicants. There was an increase in the number of applicants for the Hardship and Fee Waiver fund. The time of daily mass was adjusted to 1.00pm, as a more convenient time for students and staff to attend. The Chaplain also organised Mass for the

dead which was celebrated on a weekly basis during the month of November. There were also special liturgies during the season of Advent and Lent.

Other events organised by the Chaplaincy included:

- A monthly visit by the Franciscan Friars from Moyross.
- A visit by a group called Dead Theologians Society for a number of weeks
- A very successful LIT Song Contest leading us to coming second in the National IOT final.
- As Chairman of the LIT Charity Committee, the Chaplain helped organise an LIT Volunteering Day, the LIT Christmas Charity Dinner and the LIT Charity Walk at Easter. The Chaplain also assisted with the promotion of fundraisers for several charities including Trocaire, Diabetic Federation, Milford Hospice, Share a Dream and many others.

The Chaplain also assisted with providing various volunteering opportunities at a local, national and international level. Various summer pilgrimage opportunities/events were also offered to students. The essential work of chaplain is being available to students and staff and their families in good times and difficult times. It is a service not easily measured, as much of the work takes place under the radar, yet it must not be undervalued. For our students it's being present with them in their journey of life as a support in the difficult and challenging world. Ultimately our goal is to help them appreciate the joy, wonder and beauty of their lives and their dignity in the world.

(C) NURSING/ MEDICAL

Mission Statement of the Health Unit

"To provide a confidential and caring Health Service through Health Promotion and Healthy Lifestyle Awareness and to respond to the needs and concerns of our students."

Functions, activities and responsibilities of the Student Health Unit

- Provide First Aid and emergency medical treatment.
- Offers advice and support to students with specific health needs
- Promote health of mind and body through education, literature and seminars

- Bereavement and support
- Vaccinations
- Participation in induction programme for 1st years
- Health and Safety
- Provide assistance at graduation and exam time when required
- Attendance at meetings
- Setting objectives and target planning.

Health Promotion

"Drinks Aware" stands were facilitated in October. Health Promotion Days took place in the Moylish Campus and the Clare Street Campus in February 2012 and these proved to be extremely well-attended and a very satisfying feed-back was received by the Institute nurse and the accompanying student support service team members in attendance.

The following stands were in attendance for the Health Promotion days;

Mid-West Dietetics Centre

Due to the success and huge popularity of this stand in the previous two years for Health Promotion Day, this service again provided Body Mass Index measurement and reinforced healthy eating habits and distributed dietary advice information in both Moylish and Clare Street campuses.

Healthy snacks /Exam foods

A selection of fruit, yogurts and smoothies were given out free of charge to the students to promote healthy eating.

Student Support Team

The members of the Student Support services team provided cover at the Student Support Services stand for Health Promotion day.

Sexual Health Magic Show

The health unit funded the Students Union to host the Sexual Health Magic Show which provided the platform to discuss safe sex practices.

Planning meetings in the delivery of Student Health Promotion activities for Thurles and Clonmel have been finalised with roll out from September 2012.

Statistics

A full nursing service is available in Moylish, with 6 hours per week provided in Clare Street. There is no

nursing service provided in Thurles or Clonmel. All students in Limerick and Tipperary have full access to a Doctor conveniently located to their respective campus location.

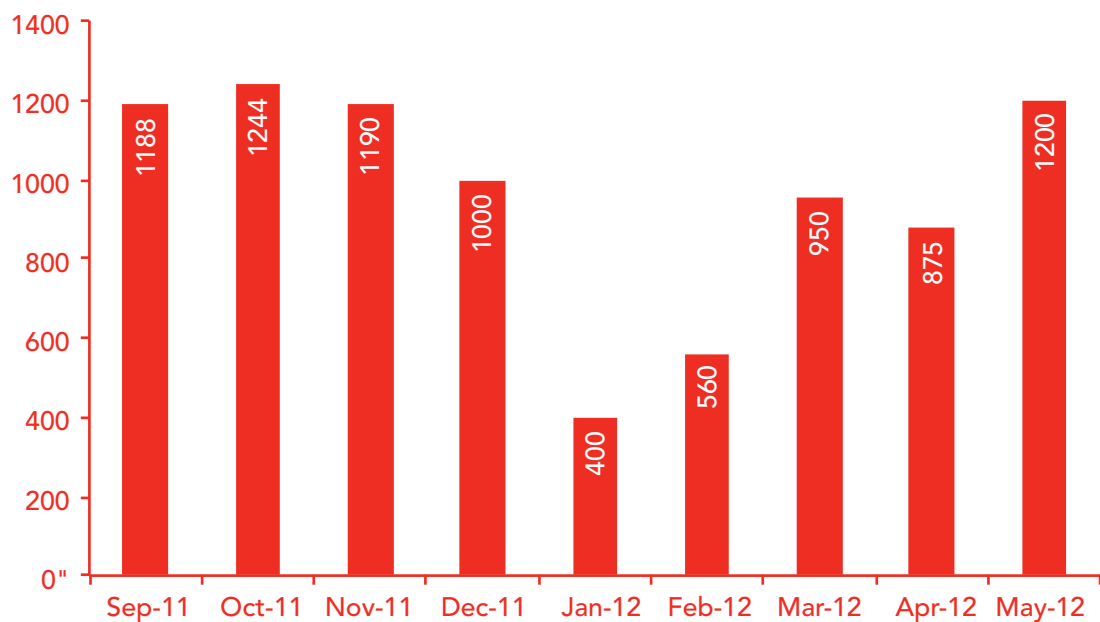
The number of students who attended for Nursing Service at the Moylish /Clare Street Campuses in 2011/2012 is presented in the following graph. These visits can take the form of personal visits to the Health Unit, phone calls and/or e mails.

Months of the year

The numbers are reduced for January and February as the nursing service was offered on a part time basis at that time.

Conclusion

The health unit aims to provide for the changing needs of the students in our care and will respond proactively to the needs and concerns of all students by providing a confidential and caring Health Service through Health Promotion and Healthy Lifestyle Awareness.



(D) COUNSELLING SERVICE

COUNSELLING SERVICE-LIMERICK CAMPUSES

Mission Statement:

To provide a non-judgemental confidential support to LIT students in order to enable students' work through any difficulty, explore possibilities and make decisions for themselves.

The student counselling service assists students on many levels:

- It provides short-term counselling and therapeutic support
- It responds to crises as appropriate
- It acts as a referral source for other relevant services both within and outside of the college
- It provides LIT staff training and consultation
- It plays a role in prevention, education and evaluation.

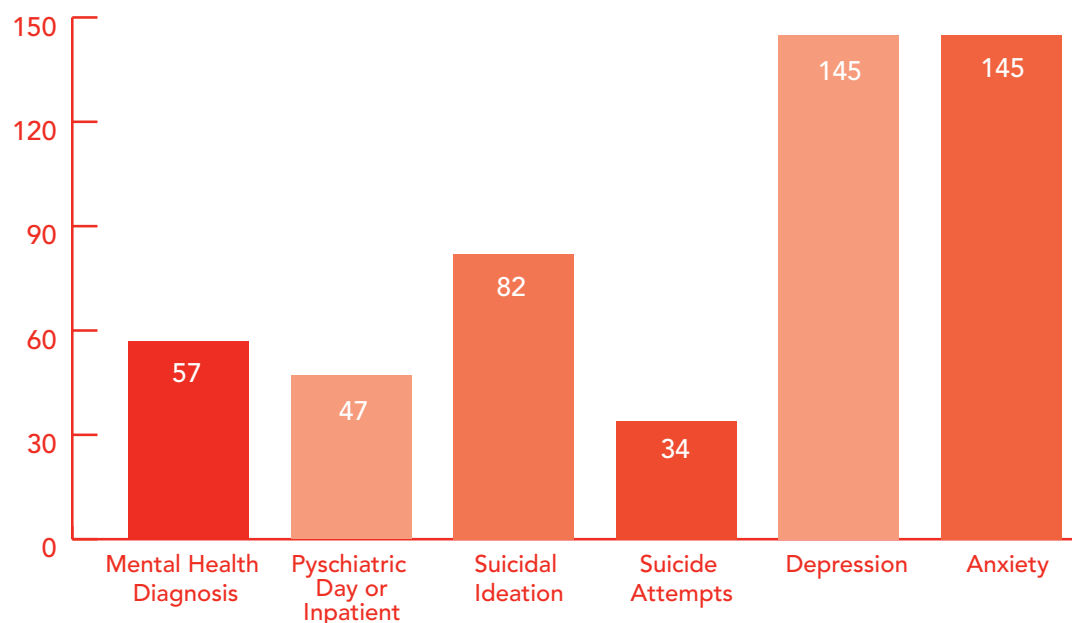
A total of 1367 direct counselling offered to students this year. Of that, 94 were cancelled and 153 did not attend (31 did not show for an initial assessment appointment) while 5 rescheduled their appointments. In total 341 students (206 female and 135 male) availed of the student counselling service. This reflects a 36% increase on last year where 252 students availed of the service. An additional 250

staff were supported in their work with students. The average number of sessions per client was 5.2 (a reduction from 6.3 the previous year). The average wait from first contact to on-going sessions was 17.2 days. All students at risk were given immediate priority. Students at assessment were administered the BSI 18 (Brief symptom inventory 18) to assist in recognising students who needed to be seen quickly. This measure assesses depression, anxiety and somatisation. Any students above the clinical range were given priority. The average severity rating for students when they first attended was 4.7 (out of 7) while the average at finishing was 2.7 displaying a clear reduction in symptoms.

Student Profile:

Of the 341 students who availed of counselling 135 were male while 206 were female. This shows an increase in both males and females attending for counselling however there is still quite a differential between males and females with many more females attending. Client's ages ranged from 17- 59 years with 179 mature students attended the service which is quite an increase on last year's figure of 87. This is reflective of the current trend with more mature students returning to education given the economic downturn. The graph below shows the extent of the mental health profile of students presenting to the service for counselling.

Number of Student Counselling Clients 2011-2012



The counselling service has also been responsible for providing;

- Student Counselling Suicide Prevention Initiatives:
- Positive Mental Health Initiatives including:
 - Pro-Youth eating disorders prevention website launched
 - Mental Health Week organised across all Limerick colleges in conjunction with Student Unions
 - Stress pack groups offered to students pre-exams
 - Publication of our Guide to Mental Wellness and Wellbeing launched October 10th to coincide with World Mental Health Day.

COUNSELLING SERVICE-TIPPERARY CAMPUSES

Summary Stats

Hours in attendance: 16 hours per week (between 2 centres)

Total Number of Service Users: 61

Average number of sessions per client: 6

Parents Use of Service: 3

Staff Usage of Service: 14

Outside Agencies usage ex Doctors: 9

Range of sessions per client: 1-12

Issues Raised by Clients 2011-2012

The list below is a general list of issues and is not in order of frequency. Note too that one client may present with one dominant issue along with several others from the list below.

- Absenteeism and its consequences
- Bullying/harassment (both traditional and modern) (text, Facebook, MSN etc.)
- Anxiety
- Depression
- OCD (Obsessive Compulsive Disorder).
- Suicidal thoughts/fears/para-suicide
- Self-harm (cutting)
- CSA (child sex abuse) and sexual assault
- Transgender issues.
- Pregnancy/Unplanned pregnancy
- Relationship breakdown/Abandonment issues.
- Aggression, anger/rage and conflict
- Illness/hospitalisation and resultant feelings of loss, shock, isolation, confusion.
- Alcohol abuse and other drug issues
- Shame re self, family, parents, social circumstances,
- General self-esteem issues
- Sense of powerlessness re management of own lives
- Poor problem solving skills
- Stress/sleep disturbance/exhaustion
- Self-esteem issues re body and appearance
- Eating distress
- Parenting issues.
- Financial Problems re self and family (ex grant changes).
- Unemployment/fears for future
- Emigration Loss re friends/siblings
- Mental Health issues
- Concerns re course work/assignments
- Friendship/ relationship issues
- Settling in issues, homesickness, adjusting to college/coping with change/isolation
- Intercultural issues.
- Chosen course not what it was initially thought to be.
- Supporting/concerned for parents or siblings
- Bereavement new and ongoing
- Bereaved by suicide
- Coping with physically and verbally abusive siblings/parents/partner



(E) ACCOMMODATION SERVICE

The accommodation service operates on a

(1) Personal Referral - whereby each student is referred to a given address, and

(2) Personal Inspection - whereby each student inspects his/her accommodation.

The accommodation office invites first year students to contact the accommodation office by coming in personally. We can supply the student with an address that matches their particular requirement and/or make an immediate appointment to visit that address. If satisfied the students finalise their arrangement there and then.

Only in very exceptional circumstances will the officer finalise accommodation arrangement for a student who has not visited and approved the accommodation himself/herself.

The accommodation office opens on a full time basis in August for six weeks and then on a part time basis for the remainder of the academic year.

For rented accommodation, i.e. flat, bedsits, houses you can visit our website www.lit.ie/accommodation where an up to date list can be obtained.

Our first and foremost task is helping the student find suitable accommodation.

(F) STUDENTS UNION

The Student Union continued to act as an independent representative and support service for students through the Governing Body and Academic Council, and at school, department and course level along with USI. Co-operation developed between management and students, has given rise to much of the development outlined in the report. The Student Union provided support, advice and information on a wide variety of issues. The Student Union held campaigns such as Mental Health Week, Sexual Health and Guidance Week, Road Safety Week, Drink Aware Week, LGBT Week and Health Promotion Week. The Student Union is an organisation run by students to cater for the students' needs. The day-to-day running of the Student Union was carried out by the Executive Committee, who are all elected by student ballot. There are three separate unions; the School of Art & Design SU, LIT Tipperary SU (LTSU) and the Moylish Park SU, each with their own elected officers who

were sabbatical officers for the year. These included Mr. Barry Maher, President Moylish Park SU, Ms. Avril Healy, Vice President Moylish Park SU, Mr. Eoin Lannigan, President School of Art and Design SU, Mr. Dale Phillips, Vice President School of Art and Design SU, Mr. Darragh Scott, President of LIT Tipperary SU, and Mr. Keith O Neil, Vice President of LIT Tipperary SU.

The overall policy and direction of the Union is decided by Class Reps, which is the student that each class nominates to represent their class at monthly Student Union Councils. The main roles of the Student Union are as follows:

- To represent and protect the rights of students on a local and national basis
- To afford a recognised means of communications between the students and Institute authorities
- To provide social and recreational facilities for students
- To provide a friendly and confidential base for students that have issues on all levels
- To provide a range of campaigns to create student awareness of their well being.
- Students are encouraged to become involved in the sporting and cultural aspect of Institute life.

Regular meetings were held with the Registrar and the Officers of the Student Union and a report was presented to each Governing Body meeting.

The Students Union was represented as follows on the Governing Body and Academic Council;

- Mr. Barry Maher and Ms. Avril Healy were nominated to serve on the Governing Body
- Mr. Dale Phillips, Ms. Avril Healy and Mr. Keith O Neil were nominated to serve on Academic Council
- The Student Union nominated 9 people to serve on the Academic Council Sub Committees
- The Students Union were involved on registration day providing an information stand, music and handing out goodie bags to all students that were registering. This brought an energetic feel to the college from the feedback received. Further to this, the Student Union ran many successful events as part of induction week.

- Due to the merger of LIT and Tipperary Institute, the Student Unions of Moylish Park, Art & Design and LIT Tipperary decided it would be economical to merge into one organisation. After many meetings, there has been a new constitution produced catering for a whole new structure to all Student Unions. It is expected this will take effect from June 2012. This new constitution will be brought to a referendum in the coming months.

Additional activities of the Student Union

- Rag Week was again successfully organised on separate dates for all students and a lot of money was raised for various charities. Day and evening activities took place and the students were given time off on the Wednesday and Thursday. The Students Union used the week to promote Clubs and Societies and to raise money for charities.
- Student Union held a very successful Road Safety week with a live road crash demonstration which consisted of crashed vehicles, Gardaí & Fire Brigades along with providing information all week on road safety. A sexual health campaign was also organised.
- Mental Health week was also successful with Students writing thoughts on balloons and then releasing them into the sky.
- Additional funding was allocated to the Students Union to work towards providing a better student service for Clubs and Societies at the Institute.

(G) SPORTS COUNCIL

The LIT Sports Council is a group of staff who provide a level of oversight in conjunction with the sports office. It comprises of a number of staff who provide their time on a voluntary basis.

LIT students are actively encouraged to become involved in sporting and cultural activities, laying the foundations for all sorts of interesting, diverse and exciting opportunities and contributing to creating an enriched and dynamic student life.

The recreational programme allows students to partake in competitive or non-competitive internal or inter-college events. Students of LIT have had great success in sporting events in the last number of years, particularly in hurling, rugby, gaelic football, soccer, rowing, darts, pool and boxing.

LIT has a range of sports facilities, both indoor and outdoor, including three full size pitches and an all-weather playing pitch. Investment in sport also includes a fitness centre and indoor sports hall. The excellence of sports facilities available reflects the high level of commitment to sporting and leisure provision at LIT.

GAA Club

To give a brief synopsis of the year's activities the GAA club fielded 12 competitive teams, Senior, Intermediate, Junior, Fresher "1", Fresher "2", and Fresher "3" Hurling, Senior and Fresher Gaelic Football, Senior and Fresher Ladies Gaelic Football and Senior and Fresher Camogie.

LIT Munster GAA Scholarship's 2011/2012 recipients were;

- Dan O' Riordan
- Gary Guilfoyle
- Eoin Ryan
- Jason Hayes
- Richie McCarthy
- Brian Glynn
- Ger Kennedy
- James McDonnell
- Ian Maher

The variety of sports available ensures most interests are catered for including:

Rugby	Soccer	Ladies Rugby
Hurling	Outdoor Pursuits	Ladies Soccer
Camogie	Ladies Gaelic Football	Rowing
Gaelic Football	Ladies Hockey	Basketball
Athletics	Badminton	Golf
Tae Kwon Do	Darts	Boxing
Swimming		

Soccer Club

The LIT Soccer club caters for both men and women throughout all years of college, including post graduate. Normally there is a first and second team for the men, with one women's team.

Over the course of the last four academic years LIT were represented on the Irish National Colleges Team by a number of players who toured Italy, USA, Spain and the UK over the last number of years. The Men's team also had a very good year.

Rugby Club

LIT Rugby club is a vibrant and active club. With two male teams and a female side, the club caters for every Rugby grade from beginner to AIL Player.

The Rugby Club aims to provide all students with an opportunity to participate and play at all levels. With a mixed winter tag rugby league available, everyone gets to join in the fun of Rugby without all the bumps and bruises. LIT Rugby Club Honours: 1998, 1999, 2005, 2007 All Ireland Colleges Champions. Former Players of the Rugby Club include Marcus Horan, Alan Quinlan, Anthony Foley and Tom Hayes.

Outdoor Club

The club runs on the philosophy "activity for all" and caters for all students and staff, past and present interested in non-competitive activities such as Hill Walking, Orienteering, Mountaineering, Canoeing/ Kayaking, Rock Climbing, Windsurfing, Surfing, Caving, Sailing and Mountain Biking.

The club runs approx. 12 events in total in the academic year (4 weekend trips and 8 day trips on Sundays). These are mostly held on the West coast of Ireland and the club has ventured from Kinsale, Co. Cork to Bellmullet, Co. Mayo. The OC is run by a strong student based committee and fees for all events are kept to a minimum. Equipment is provided for all events, however if you have your own then bring it!

Kite-Boarding Club

The LIT Kite-boarding Club has just completed a very fruitful and successful first year and it is hoped that this club will go from strength to strength.

Sports Bursaries

The introduction of a Sports Bursary scheme allows students, who are to the fore in their chosen sport, to apply for some financial support. This is only available to students who have accepted a course in LIT.

LIT Bursaries 2011/2012 recipients were:

- Ronan Taaffe
- Enda Boyce
- Sean O'Brien
- Seamus Carroll
- Paul O'Flaherty
- Cathal O'Connell
- Paul Browne
- John O'Keeffe
- Stevie Lambert
- Aaron Murphy
- Shane Moloney
- Sean O'Gorman
- Michael Quinlan
- Conor Fitzmaurice
- Joy Neville
- Niamh Kavanagh



Sports-LIT Tipperary School

LIT Tipperary School provided the following sports for students in the academic year 2011 / 2012:

Rugby	Soccer	Ladies Soccer
Hurling	Ladies Gaelic Football	Basketbal
Gaelic Football	Ladies Rugb	Boxing

There was also a fitness programme running with the following classes taking place:

- Kettlebells
- Boxercise
- Pilates
- Circuit training

LIT Tipperary School GAA Club

To give a brief synopsis of the year's activities the club fielded 3 competitive teams, Hurling, Football, and Ladies Gaelic Football.

The Senior Hurling Team won the Fergal Maher Cup. The football team competed in the national league and the Corn Na Mac Leinn cup. The ladies team competed in the Lagan Cup and Division 5.

LIT Tipperary Munster GAA Scholarship's 2011/2012 recipients were;

- James McDonnell
- Ian Maher

LIT Tipperary School Soccer Club

The LIT Tipperary team competed in the CUFL division 2 finishing 3rd and losing in the quarter final of the Bob Eustace Cup after extra time. The 2011-2012 academic year saw the 1st ever Ladies Soccer Team in LIT Tipperary. The team competed in the regional futsal tournament in UL and trained for 11 a side games.

LIT Tipperary School Rugby Club

LIT Tipperary Rugby club is a vibrant and active club. With one male team and a female team (who are joined with LIT Limerick), the club caters for every Rugby grade from beginner to AIL Player.

LIT Tipperary School Basketball Club

LIT Tipperary Basketball club is a new club in the college which caters for both males and female. The club train twice per week and play against clubs in the Tipperary area in the form of blitzes and they also play against other college teams.

LIT Tipperary School Boxing Club

LIT Tipperary Boxing club also a new club in the college. Darragh Finn won the IATBA Intermediate title and was named on the Irish Colleges Boxing Team.

(H) CAREERS SERVICE

Student Activity

The Careers Service is availed of by a range of students from pre-entry, current undergraduate and postgraduate students, recent graduates and alumni. Here at LIT, engagement with students happens in a number of ways as outlined below.

Workshops

The careers services available to students include Workshops on CV Preparation, Interview Skills, Preparing for Postgraduate study, Using your Network and Effective Job Search were delivered to a wide variety of classes. A new workshop "Social Media & Job Hunting" was also developed. In the Academic Year 11/12, 102 hours of workshop sessions were conducted, showing an increase of 40 hours since 2010/11. New workshops were delivered in Thurles and Clonmel campuses including dedicated sessions with the B.Sc. (Hons.) Environmental & Natural Resource Management class and the B.Sc. in Creative Multimedia. A dedicated workshop was co-ordinated with the Craft Council for Ireland for final year students of Fine Art programmes.

CV Review Days

This service provided students with the opportunity to have their CV reviewed, often coinciding with employer visits or events.

One to One Consultations

Students can avail of one to one consultations with the Careers Service. This is a confidential service. In 2011/12, 486 students availed of one to one appointments. Consultations related to topics including: CV review, placement information, graduate applications, course change, withdrawal, postgraduate opportunities and preparing for interview.

Quick Query Drop-in Service

In 08/09 a Quick Query drop-in service commenced in the Library Careers Resource area two hours per week. In 2011/12, the number using the Quick Query service was 147 students. This gives a combined total relating to student consultations at 633.

A one hour, weekly quick query session specifically for students from the School of Business & Humanities started in November 2011.

Interview Preparation

Tailored Interview Skills Workshops were delivered to a number of class groups.

Individual Role Play interviews were organised in association with the School of Business. This provided individual role play interviews for students applying to the large accountancy companies, law firms and banking. Mock interviews were also conducted in association with the Department of Science for final year and third year students of the B.Sc. (Hons.) in Drug and Medicinal Product Analysis and B.Sc. (Hons.) Pharmaceutical & Forensic Analysis & B.Sc. (Hons.) Bioanalysis & Biotechnology.

One to one interview coaching sessions were also availed of by students of all disciplines.

Employer Activity & Graduate Recruitment

First Destinations Survey – Class of 2011

The First Destinations Report, compiled annually at Limerick Institute of Technology presents detailed information relating to the circumstances of graduates approximately one year after graduation. There were 958 graduates surveyed, 390 responses were received, representing an average response rate of 40%.

An overview of results can be seen in section 3.5.8.

Jobs Advertising

The Careers Service provides employers with the opportunity to advertise their graduate/placement/part-time opportunities to students. The service uses the Careers webpage, Facebook, LinkedIn, Twitter, campus noticeboards and targeted alumni mailing lists to advertise vacancies.

In 2011/12 the service advertised 296 jobs to students and graduates.

Careers Fairs

The LIT Careers & Further Options Fair took place on September 27th 2011 and took place in the Autumn term for the first time.

The event attracted 43 organisations, up from 34 in January 2011 for the previous academic year.

Careers Seminar Day – February 2012

As the Careers Fair was moved to the Autumn

term an alternate Careers event was developed and delivered in February 2012. The new format saw employers deliver seminars on careers in their sectors and was open to all students and alumni.

The event was attended by over 300 students and alumni and streamed live on the LIT website with the assistance of the Computer Services Department.

Company campus visits

Companies continue to visit the campus to deliver presentations to students and to conduct interviews for available work placements and graduate roles. In 11/12 companies visiting the campus outside of the successful Careers Fair/Seminar included:

- Kerry Group
- Focus Ireland
- PWC
- Analog,
- Cisco
- EI Electronics
- Northern Trust
- Ericsson
- BDO
- Avaya

Mechanical Engineering Showcase

The third annual Mechanical Engineering Showcase took place in April 2012 and was organised in conjunction with the Department of Mechanical and Automobile Technology. A number of key employers in the area were in attendance and a Careers Resource area was well attended during the event with mock interviews and CV review being offered to all students.

Creative Multi-Media Careers Day

The Careers Service participated in a Careers Information Day dedicated to students of the Creative Multi-Media programme in Clonmel.

Humanities Careers Day

In 2011 the Careers Service worked closely with the Department of Humanities and particularly the 2nd Year Applied Event Management students to organise a careers/recruitment event inviting key hospitality and events employers to the Institute for a recruitment fair and lunch.

Business in the Community

For another year, the Careers Service worked with the Access Service on the Business in the Community Programme (BITC). The Careers Service delivered two workshops to the group

on CV preparation and interview skills and conducted a number of mock interviews. BITC is a non-profit organisation specialising in advice and guidance to leading companies in Ireland on corporate responsibility and corporate community involvement.

New Developments/Activities

Disability Awareness & Careers Day

The Careers Service worked closely with the Disability Officer to develop and deliver an event specifically aimed at raising awareness of disabilities and promoting career opportunities to students with disabilities.

Work Placement Policy Task Group

The Careers Service is chairing a task group, formed at Academic Sub-Committee for Active Learning, Placements & International Dimensions, to develop a Work Placement Policy for the Institute. This work was ongoing throughout the year 2011/12.

Promotional Activities

The Careers Service conducted a survey of students in 2012 regarding marketing the service to students in an effort to ensure maximum exposure for the service. The LIT careers webpage, Facebook, LinkedIn and Twitter accounts remained active and well visited. This year the service developed a booklet to promote the Careers Fair in September which was distributed to students on the Street just before the event.

The Careers Service participated in a number of radio interviews in 2011/12. One was on West Limerick Radio promoting the results of the First Destinations Survey and others on Wired FM aimed specifically at promoting the service to mature students.

LIT Tipperary School

Links were further developed with LIT Tipperary with workshops and consultations available to students in all disciplines. A new link was developed with the Future Business Leaders of Ireland, an active student group in Tipperary who worked with the Service to organise a Careers event for students of business.

Craft Council of Ireland & Visual Artists Ireland

Links continue to be developed with the Craft Council of Ireland and Visual Artists Ireland in relation to careers training for Fine Art and Design graduates.

Development of employer contacts

In 2011 LIT was chosen as one of 4 partner institutes to work with Lidl Ireland. LIT was chosen as a preferred supplier of graduates to their Graduate Development Programme.

Northern Trust also further developed relations with the Institute and the Careers Service was involved in a number of projects underpinning this development.

The Careers Service was represented at excellent networking events this year, the Mid West Business Showcase and the Limerick Regional Business Awards.

(I) ACCESS SERVICE

LIT is committed to promoting equitable access to and successful participation in higher education for all members of society. Integration and social inclusiveness are fundamental to the ethos that is adopted by the LIT Access Service. This Access Service Report 2011-12, outlines LIT's local and national commitment to widening access for underrepresented student groups including:

- Students who experience socio-economic disadvantage
- Students with a disability and/or specific learning difficulty
- Mature students
- Traveller and ethnic minorities.

LIT greatly values its partnership with students, staff, education providers, community, statutory and voluntary agencies. Through these partnerships, LIT delivers targeted strategies and initiatives to promote and facilitate entry to and successful participation in higher education of underrepresented students. The successful realisation of the widening participation agenda also requires that students' progress in their academic studies and move into graduate employment.

Limerick Institute of Technology has a successful record in widening participation to higher education as is evident in the diversity of its student population. Collaboration and engagement with key stakeholders such as education providers, FE and HE Partners, community, statutory and voluntary agencies continues to support and develop educational opportunities, which contribute to an improvement in the economic, social and cultural well-being of our region.

Pre-Entry initiatives pertaining to the Access service include the following;

- The **Go4IT Programme** is a collaborative initiative with St. Munchin's Family Resource Centre and aims to support young people from Limerick's Northside RAPID area who have academic potential but are from backgrounds where there is little or no tradition of progressing to third-level education. As part of focusing on third-level education, the Programme also aims to introduce the concept of lifelong learning and show that education has a real purpose.
- **Taste of Higher Education – Future Skills Project** -The LIT Access Service collaborated with Junior Achievement Ireland to deliver the Future Skills Project, a dynamic and innovative enterprise education project. The project which recruited 100 senior cycle students from four secondary schools in Limerick City, Limerick County and Co. Tipperary had two key components; a six week junior Achievement Enterprise programme and a taster of College Life element.
- LIT Access Service continues to operate in partnership with **Business in the Community Ireland (BITCI)**. The integral aim of BITCI is to encourage corporate Ireland to increase the quality and extent of its contribution to social and economic regeneration by making corporate social responsibility an essential part of strategic business planning. Limerick Institute of Technology works in partnership with BITCI and St. Nessan's Community College to deliver the Skills @ Work programme. The programme was delivered to 20, 5th year learners from St. Nessan's Community College.
- To celebrate adult learning in LIT, the Access Service worked in collaboration with the Development Office in organising events around the **AONTAS Adult Learners' Festival 2012**. Activities included a coffee morning for adult learners and the re- launch of the LIT Learning Tree.
- **Adult learning visits to LIT** - Visits from VTOS and other centres of adult learning continued in 2011/12 with visits from centres in Limerick, Clare and Tipperary. An update in March 2012 provided by the Clare Adult Guidance Service outlined that 32 students from Co. Clare VEC applied to attend LIT in September 2012 with a further 5 students applying to attend the

Level 6 in Business Computing operating in Ennis.

- **The GIVE - Mentor Pilot Project** is aimed at young people aged between 12 and 18 years who experience socio-economic disadvantage and/or specific learning difficulties. The LIT GIVE Student Mentor is assigned to a mentee and utilises their knowledge, skills and experience to help these young people feel empowered and broaden their horizons in a supportive and supervised environment.
- The Institute also recognises that successful widening participation also requires that student's progress in their academic studies and move into graduate employment. The LIT Vision and Strategy to 2020 'Active Leadership in Education, Enterprise and Engagement' affirms this commitment to supporting students throughout their academic journey. LIT's Access Service offers the following targeted initiatives to support and address the successful progression of students.

Post Entry initiatives pertaining to the Access Service include;

- The Guided Initiative in Voluntary Engagement (**GIVE**) encourages all LIT students to engage in voluntary activities. Trained and supported by the Access Service, the project benefits both the community and the volunteers by combining a service experience with a learning and development experience. In recognition and appreciation of their contribution, volunteers receive a President's Commendation and in April 2012, the President of LIT, Dr.Maria Hinfelaar commended sixty- two GIVE members for their voluntary engagement throughout the academic year.
- Mature Students comprised of 25% of the total undergraduate student population in 2011/12. Activities offered by LIT for mature students include a comprehensive induction and orientation programme, information seminars, (provided on and/or off-campus), open days and a mature student information evening. Mature students are also supported through a Mature Student Support Network, and relevant workshops tailored to address the mature students' needs.
- The LIT Mentoring Service has improved the interface between students and the Institute as all first year students are assigned a Mentor.

Mentors are comprised of staff from across the Institute. The supportive relationship between mentor and student enhances the learning environment and encourages students in reaching their full potential.

The financial implications of a student's third level experience are a growing concern and can sometimes lead to non-progression. The Student Assistance Fund (SAF) provides limited support for whole-time LIT students who are experiencing severe/ongoing financial difficulties. The SAF 2011/12 was funded by the Irish government and part funded by the European Social Fund under the Human Capital Investment Operational Programme 2007-2013. The total SAF spend for 2011/12 was €326,989, which supported 9.3% of the total registered full-time undergraduate students. In addition to regular SAF applications, 272 mature students received books funded by SAF in association with the Institute library. The 2011 – 2012, LIT Child Minding Subsidy is funded through Capitation (€102,300) and SAF (€24,135). During 2011 – 2012, 280 children in childcare were supported by the fund which provides limited support for whole-time LIT students who are in financial difficulty with childcare costs.

During 2011 - 2012, 6.3% of students (including apprentices), registered their disability and/or specific learning difficulty with the Disability Service. The national HEI participation rate is 3.6%. LIT received €438,744 from the HEA Fund for Students with Disabilities funded by the Government under

the National Development Plan 2007 – 2013 with assistance from the European Social Fund. This fund supports specific individual needs for students with disabilities who qualify under specific terms and conditions. During the academic year, the supports available for students with disabilities include, but are not limited to, a Disability Officer, Dyslexia Support Tutors, assistive technology provision and training, extra tuition, academic and/or personal assistants, specific examination accommodations and costs towards transportation.

2011-2012 was an extremely busy year for the Access Service and one which was marked by positive participant feedback from those who engaged in and/or were supported by the diversity and number of programmes delivered by the service.

(J) STUDENT RESTAURANT

Full restaurant facilities were available to students at the Limerick and Tipperary campuses during the academic year.

(K) BANKING SERVICE

Allied Irish Bank continues to provide a full banking service and cash dispensing facility at the Moylish Park campus, Clare St campus and the Thurles campus.

3.9 EXTERNAL ACADEMIC LINKS

(A) EXTERNAL (National and Professional)

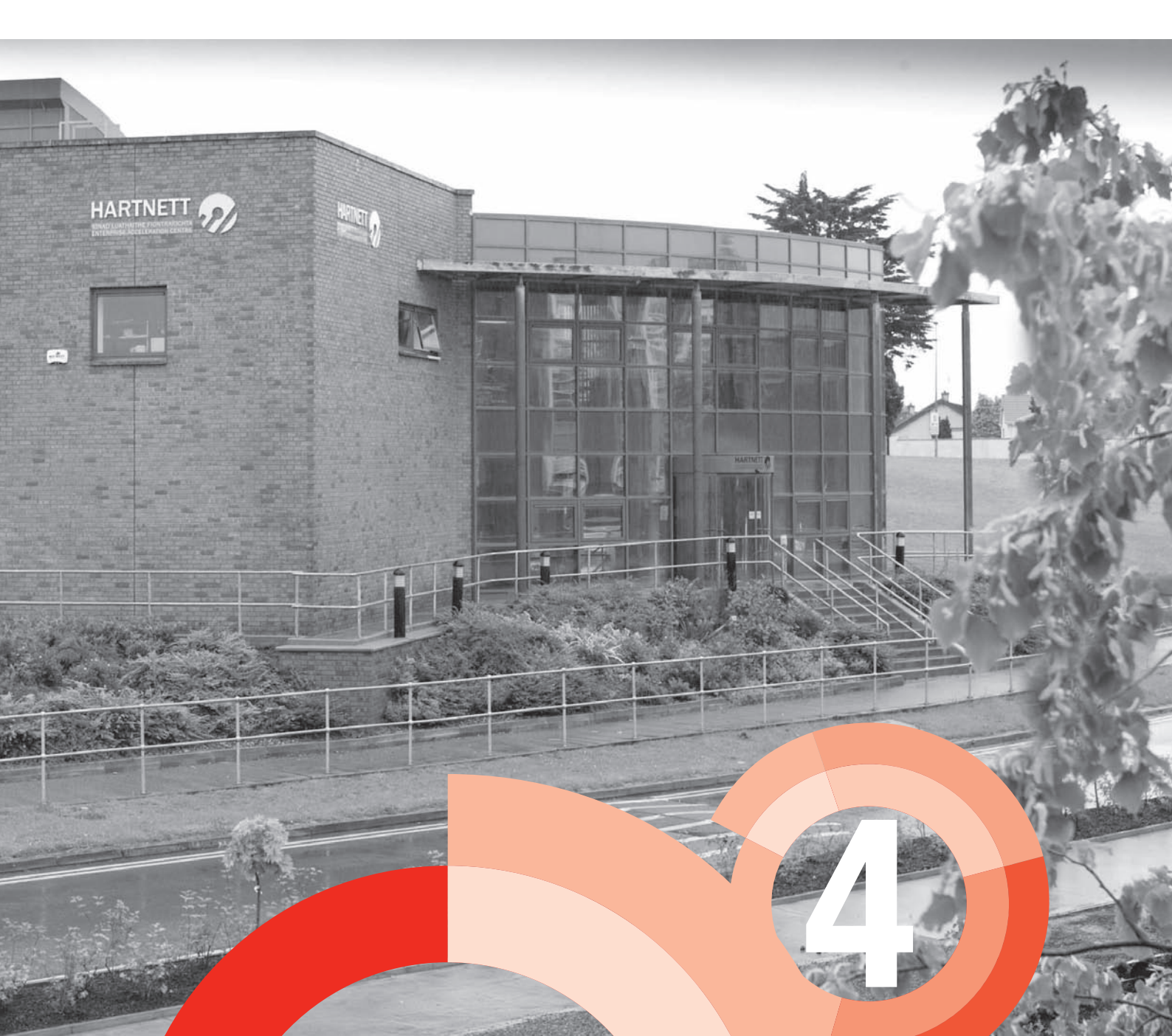
Individual schools and departments have extensive links with professional, trade, and business associations. This is reflected in the large numbers of courses that are accredited by the professional bodies. Examples include

- Accounting and Finance – ACCA, CIMA, CPA, & IIPA accreditation
- Quantity Surveying – Society of Chartered Surveyors
- A wide range of course are accredited by Engineers Ireland.

(B) INTERNATIONAL

The Institute has continued to develop links with organisations in Europe and beyond internationally. Learners are able to study part of their courses abroad under the Erasmus programme. Lecturers are also able to have exchanges under this programme.

A feature of many courses in LIT is that they have a work placement element. Links have been made with companies in Ireland and in Europe. Leonardo funds are used to finance learner placements in European companies. Learners are also finding work placements beyond Europe.



4

**RESEARCH &
DEVELOPMENT**

4.1 RESEARCH, DEVELOPMENT & ENTERPRISE

1.0 LIT RESEARCH CENTRES

LIT's research centres ACORN and Shannon Applied Biotechnology Centre focused on their research collaborations with industry and also experienced an increase in their national and international profile through the delivery of national and international projects.

ACORN RESEARCH GROUP

The ACORN Research Group, led by John Cosgrove (Section Head - Electrical Engineering) is an experienced multi-disciplinary research group focused on the Engineering of Sustainable Solutions for Industrial, Commercial and Utility Applications. Funded through collaborative industry led research programmes, the group has developed both hardware and software solutions for implementation in a range of applications.

Research Strands

Intelligent Systems	Information and Communication Technology (ICT), Informatics, InfoGraphics, SCADA, Data Historians, PLCs, Controls, Embedded Systems, Sensor Networks.
Renewable Energy Technologies	Electrical Generation from Renewables, Thermal Generation from Renewables, Bio-Fuels, Renewable Energy Technologies.
Energy Management and Environmental Ecosystems	Energy Management and Monitoring Systems, ISO50001, Environmental Ecosystem Monitoring and Management, ISO14000. Air, Water and Soil; Sustainability and Policy
Sustainable Manufacturing	Zero Carbon Production, Human Factors, Energy Awareness and Sustainability.
Smart Facilities	Smart Maintenance Systems; Resources Usage in Facilities / Utilities, Energy, Water, Waste; Condition based Maintenance.
Smart Electrical Networks	Smart Grids, Demand Side Management, Power Quality, Integration of Renewable Energy, Alternative Energy (CHP) and Embedded Electrical Generation.

Recent Highlights

- Award of €1.7 million for Energy Research (June 2012). The TEMPO Project (Total Energy Management for Production Operations) will be a three year project in collaboration with the University of Ulster and will focus on energy efficiency and energy tracking, monitoring and visualisation in industry. The research group will work closely with leading multi nationals in Ireland such as DePuy, Intel, Analog Devices and with the General Motors Manufacturing Systems Research Lab in the US. Tempo has delivered 3 new fulltime research staff, 3 new postgrads and 3 existing staff have had significant hours bought out to facilitate working on the project.
- New dedicated ACORN and TEMPO Research Labs located in the Hartnett Enterprise Acceleration Centre.
- Completion of a successful Innovation Partnership entitled "A communications framework for use in IDS embedded sensor networks" co-funded (€280,000) by Enterprise Ireland and by a local SME, Intelligent Data Solutions (IDS) Ltd, based in Killaloe. The technology developed in the project has been incorporated into the company's products and is being deployed in a range of water quality monitoring applications in Ireland and abroad.
- Graduation of a Masters of Engineering (M.Eng) from the group (Francisco Cantero) for his research work in conjunction with the IDS Project.
- Graduation of a Masters of Science (M.Sc) from the group (Maria Heneghan) for her research work on The Real-Time Wireless Monitoring of Odorous Gases at Wastewater Treatment Plants in conjunction with Limerick County Council.

- Publication of a 3 Journal papers on topics in maintenance.
- Presentation of 3 papers at international conferences as well as presentations at national and regional conferences / colloquia.
- Invited presentation by John Cosgrove on Energy Management in Industry at the Annual Integrated Energy System Conference run by the International Energy Research Centre (IERC) in Cork in May 2012.
- Completed research on future directions for EU Research Programmes in Sustainable Manufacturing leading to the publication of a report entitled; Factories of the Future beyond 2013: Which Role for ICT?

TEMPO: TOTAL ENERGY MANAGEMENT FOR PRODUCTION OPERATIONS

1.7million project aimed at reducing energy costs for industry

The Minister for Jobs, Enterprise and Innovation, Richard Bruton TD and Minister for Communications, Energy and Natural Resources, Pat Rabbitte TD, announced a new €1.69 million energy efficiency research project aimed at significantly reducing energy costs for industry and creating jobs.

The Total Energy Management for Production Operations (TEMPO) research project will focus on establishing an effective way of monitoring total energy consumption during the manufacturing process, so as to reduce overall energy costs. The results of the research will allow international and indigenous companies to significantly reduce their energy costs by helping them reduce their energy bills. This will be achieved by helping the companies to understanding where excess energy is being used.

This project is a cross-border collaboration between Limerick Institute of Technology and the University of Ulster, funded through the International Energy Research Centre (IERC) located at Tyndall National Institute, Cork.

Jointly making the announcement, Minister Rabbitte said:

'This research project, with its strong focus on reducing energy costs for industry, is exactly the type of initiative we want to see coming from Ireland's research community. It clearly demonstrates the benefits that come from linking our research capability with industry needs, and from developing integrated energy projects that

can deliver measurable cost-effective solutions. Energy efficiencies are strategically highly important both to industry and to the national economy and this research initiative underpins the government's objectives in this important area'.

Minister Bruton said:

'Today's announcement is an excellent example of what we are trying to achieve through our investment in research – concrete ideas which can be used by companies to solve problems and create jobs'.

The principal scientist with the TEMPO project is Mr. John Cosgrove, Director of the ACORN Research Group at Limerick Institute of Technology, working with Professor Martin McGinnity, Director of the Intelligent Systems Research Centre (ISRC) at University of Ulster's Magee campus and Professor Neil Hewitt, Director of the Centre for Sustainable Technologies (CST) at the University of Ulster's Jordanstown campus.

MECHANICAL ENGINEERING

Dr. Michael Daragh Naughton secured a second commercialisation grant-valued at €150k. The project will develop a novel Third Party Intrusion Detection System for the security industry and will begin in March 2013. This project will recruit a research fellow with expertise in artificial intelligence.

Dr. Naughton's initial commercialisation grant, Artificial intelligent based third party intrusion detection system (AIBIDS), which was valued at €300k began in June of 2012. There are three staff members now in place for this project which include 2 research assistants and the principal investigator Dr. Naughton. Memorandum of understandings have also been signed with potential commercial partners.

Dr. Naughton has made one application to act as a partner for a European Commission FP7 project of which he is awaiting the outcome. The EU project is based on nano Single Walled Carbon Nano Tube development for the print sector. It is in conjunction with 9 EU partners and comes under the NMP FP7 call. LIT are a partner on this project which is been lead the Austrian University-Chemnitz.

Two Enterprise Ireland innovation vouchers were completed that year with West Side Tools and Iron Images along with another two innovation vouchers

been opened with clients on the LEAP program. Dr. Naughton published two peer reviewed journal papers -International Journal of Quality in Maintenance and Journal of Facilities Management.



SHANNON APPLIED BIOTECHNOLOGY CENTRE (Shannon ABC) projects

SHANNON APPLIED BIOTECHNOLOGY CENTRE (ABC)

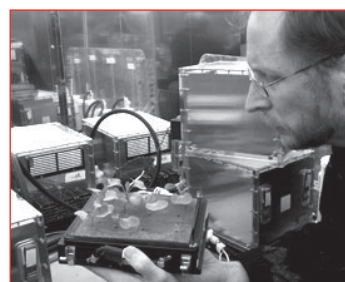
The period of reporting was a crucial one for Shannon ABC, and its hosting institutes, LIT and the Institute of Technology, Tralee. Shannon ABC are core-funded by Enterprise Ireland through the Applied Research Enhancement Programme. At the end of 2011 EI signaled their intention to replace the ARE Programme with a new funding model. This new funding (Technology Gateways) would be competitively applied for with new business models and challenging metrics. The application screening process commenced in May 2012 with a Stage 1 Industry Needs Assessment, demonstrating the industry cluster, an informed and targeted research strategy, industry led steering committee and institutional commitment. Shannon ABC were notified of their success in the Stage 1 application in July 2012 and were then invited to submit a Stage 2 full Technology Gateway application detailing technology themes, industry engagement plan, capability and track record, host institute commitment, management structures, project planning performance metrics and value for money. This document was submitted at the end of August 2012 with subsequent review by an external panel, interview at Enterprise Ireland and recommendations to be completed by mid-December 2012.

Shannon ABC's coordination of the Framework 7 project entitled "BAMMBO" (Biologically Active Molecules of Marine Based Origin) continued very successfully, with a consortia meeting being held in Nice in September 2011. The project is currently almost half way through with deliverables and milestones being met as per project key performance indicators. BAMMBO (KBBE.201.3.2-01) Participants represent 8 countries, including international participation from Russia and Brazil (ICPC). EU member states on Mediterranean,

Adriatic and Atlantic coasts are represented and this provides access to extensive marine bio-bank stocks and extracts. The consortium includes two companies (SME's) already involved in industrial scale production of known bioactive molecules from marine resources. The project was launched at LIT on March 30th 2011 with the initial consortium meeting hosted here in LIT. LIT as part of this project has created three new posts for two Post-Doctoral Scientists and an Administrative officer at LIT to ensure smooth progress of work on the project. The BAMMBO Consortium comprises of the following organisations;

Participant Organisation	Country
Limerick Institute of Technology	Ireland
Université de Nice - Sophia Antipolis	France
Universidade Estadual de Campinas	Brazil
Algae Health Ltd.	Ireland
Greensea SAS	France
Universidade de Santiago de Compostela	Spain
Instituto Politécnico de Leiria	Portugal
Université Catholique de Louvain	Belgium
Universiteit Gent	Belgium
Federal State Unitary Enterprise Sate Scientific – Research Institute of Genetics and Breeding of Industrial Microorganisms	Russia
Universita Degli Studi di Genova	Italy

An EU Framework 7 Marie Curie (International Incoming Fellows) grant was secured by LIT and is to relocate Dr. Gary Stutte to the CELLS (Controlled Laboratory for Life Sciences) research group at LIT for 2 years from June 2011. This project is progressing well and based on Dr. Stutte's expertise, he, Dr. Siobhan Moane, Dr. Patrick Murray and Dr. Tim Yeomans attended an FP7 brokerage event in Brussels in July 2012 in order to develop a consortium for a new FP7 application.



Dr. Stutte was a Senior Scientist and Principal Investigator with Dynamac Corporation at

Kennedy Space Centre, Florida, USA. Dr. Stutte has published extensively in the field of plant physiology, horticulture, and controlled environment technology and space research. He has led the implementation of NASA's research efforts in controlled environment research at Dynamac Corporation at Kennedy Space Centre, Florida, U.S.A. since 1993, and been the Principal Investigator for multi-million dollar, multi-disciplinary teams to define the impacts of space flight and controlled environment conditions on growth, development, physiology, and molecular biology of plants being considered for long duration space missions. Currently 11 graduate students have received internship training since 2003 with 6 progressing to postgraduate level in LIT. These 6 students are jointly supervised by Dr. Gary Stutte; Michelle McKeon-Bennett (Head of Department of Applied Science), Dr. Daniel Walsh (Principal Investigator Shannon ABC) and Dr. Siobhan Moane (Head of Research and Technology Transfer, LIT). Four of the students are funded to PhD level through the Irish Research Council for Science, Engineering and Technology (IRCSET).

Dr. Stutte's work at LIT began in September 2011 and has focused on the determination of plant responses to altered environmental changes using LIT's environmental growth chambers, which in turn will determine the yield and quality of the target nutraceutical phytochemical compounds under the altered conditions. An experienced, cross disciplinary team with expertise in controlled environments, phytochemistry, environmental science, analytical science and space science has advanced the understanding of such phyto-metabolomic reactions. The Department of Applied Science at LIT has facilitated transfer of knowledge to students through a series of special topic lectures developed and delivered by Dr. Stutte, Marie Curie Fellow, to undergraduate courses within the department. The research work will accelerate the scientific progress in Europe by advancing an emerging scientific field within life sciences using a sustainable and environmentally targeted approach. LIT's existing environmental growth facilities provide the conditions necessary to perform this research.

The core work at Shannon Applied Biotechnology Centre situated in the Harnett Enterprise Centre continued with the Post-Doctoral Scientist working on anti-oxidant and antimicrobial biomolecules identified in Shannon ABC waste streams. Shannon ABC continues to work with SME's (Simple Living Solutions, airmid healthgroup, GL Meats, Edelicious,

TE Laboratories, LynchTec and Lifes2Good) and multinational companies (Stryker Howmedica, PepsiCo) through Innovation Voucher funded and contract research projects addressing specific biotechnological problems or needs of specific companies. The Shannon ABC Sensory Panel has grown from strength to strength and provides an invaluable service for SMEs who are too small to retain their own trained panel. Within this period Shannon ABC were also invited to discussions on the potential for a sensory analysis network within Ireland.

An Enterprise Ireland funded Innovation partnership project, 'Environmentally sustainable organic processes for the enclosed production of omega-3 polyunsaturated fatty acids (PUFA's) and carotenoids (e.g. astaxanthin) from microalgae' with an Irish microalgal culturing company, Algae Health entered into its closing stages during this period with the project due to finish in December 2012. Algae Health as a bio-technology company is targeting an innovative, environmentally friendly, sustainable new source for high value omega-3 PUFA's and astaxanthin bio-active molecules. Omega-3 PUFA's and astaxanthin bio-active molecules have clearly defined benefits in the areas of human health as antioxidants, anti-cancer, anti-aging compounds and in brain and tissue development. This project also saw the delivery on site at LIT of two 1000L bioreactors which the research team are optimising as industrial scale production systems for microalgal biomass

Shannon ABC was successful in securing a second Innovation Partnership at LIT, in May 2012 with a company called Lifes2Good. Shannon ABC and Lifes2Good were first introduced at a Nutricosmetics conference in Paris, France. During the course of discussion it became evident that there was the potential for Shannon ABC to provide them with relevant biotechnology solutions. Following a series of meetings and site visits the challenges that face Lifes2Good were discussed and a list of their research needs was compiled by Shannon ABC. The first step in addressing the research needs of Lifes2Good was to engage in a fast track Innovation Voucher in order to provide proof of concept testing prior to application for an Innovation Partnership. This proof of concept stage, which demonstrated that the biological fingerprinting was a viable methodology, was completed in May 2012 and provided a strong foundation for the work proposed in the Innovation Partnership.

Lifes2Good distribute a specific product that can be classified as a nutricosmetic which supports/enhances the functions of the body through an ingested product. This product is Viviscal, a hair restoral product that has been validated through 6 clinical trials. Lifes2Good purchased Viviscal, and all rights to Viviscal 4 years ago. The technical expertise behind the product was not part of this business arrangement. Lifes2Good are now in the position that they have a product that they know works, but due to the absence of know-how behind the product, face a number of challenges. Shannon ABC will provide expertise, equipment and personnel to assist Lifes2Good with two challenges. The first of these is to identify the two main proprietary raw materials (which are of natural origin) used in their product which may contribute to the activity of the final product (RM1 and RM2). Secondly, Shannon ABC will screen alternate raw material sources for RM1 and RM2, as well as providing a tool for quality control/counterfeit detection. Further to this, the project will attempt to define the process whereby RM1 is converted into the active ingredient. At present Lifes2Good has an outline of the process, but the specifics of the process are unknown. As well as broadening Lifes2Good's knowledge regarding their product, we will also provide them with the necessary information to define this production process. Lifes2Good have a pressing need for an external R&D function. This partnership will allow Lifes2Good access to R&D capabilities and grow the service offering of Shannon ABC.

An Innovation Partnership feasibility study was also awarded within this reporting period. In February 2012 a collaboration between Shannon ABC and the Centre for Research in Engineering Surface Technologies (CREST, DIT) was approved to engage in a feasibility study with Wellman International. The feasibility study reviewed information in the public domain to assist Wellman International in their development of a deeper understanding of the technology prior to the initiation of a full Innovation Partnership. In particular the study undertook:

- Preliminary review of plasma technology including its utilisation in the treatment of textiles.
- Identification of potential anti-microbial agents available to Irish market for use with plasma technology.
- Elucidation of the anti-bacterial activity of the identified agents.

- Examination and development of a novel mechanism for binding these bio-active molecules to plasma-treated polyester fibres. Discussions are ongoing with Wellman on next steps for this project.

Shannon ABC also prepared a Commercialisation Fund feasibility grant to be submitted to Enterprise Ireland in October 2012. In this project, we propose to develop an antioxidant extracts from low value seafood by-products to be used in the preservation of fish, meat and poultry products. Fish antioxidants are known to comprise of antioxidant enzymes such as catalase, glutathione peroxidase, superoxide dismutase, antioxidant vitamins such as vitamin C, Vitamin E, different types of antioxidant free amino acids histidine, cystine including taurine, and other compounds such as glutathione, Coenzyme Q10, anserine, carnosine, uric acid etc. As it is also known that natural antioxidants exert synergistic effects, an antioxidant mix/ cocktail will therefore be more efficient than a single antioxidant. Preliminary results have shown seafood by-product extracts to possess higher oxygen radical absorbance capacity (ORAC) value than commercial antioxidants such as ascorbic acid and glutathione.

In April 2012 Shannon ABC hosted their annual Open Innovation Conference at LIT. Close to 100 people attended Open Innovation 2012, representing 20 companies, 8 third level institutes and various state bodies including Enterprise Ireland, Institutes of Technology Ireland, the Industry Research and Development Group and many more. It was a great opportunity for attendees to network, both with research providers and state bodies, but also with other industry representatives, often from quite different sectors.

The day kicked off with a welcome from Dr. Maria Hinfelaar (President of LIT), particularly for the President and Head of Development of the Institute of Technology, Tralee (LIT's Shannon ABC partner) and a rousing address from Minister Brian Hayes, who'd had the opportunity of a whistle stop tour around the Shannon ABC facilities in LIT.

Minister Hayes was very generous with his time, and spoke about the importance of innovation as Ireland lays the groundwork for recovery. Minister Hayes also emphasised the importance of enterprise/ academic partnerships and the key role that Enterprise Ireland play in this. The Minister went

on to comment that Shannon ABC is an excellent example of collaborative support provided to industry.

Dr Iain Gillespie, former Head of the Organisation for Economic Cooperation and Development's (OECD) Science and Technology Policy Division, provided the keynote speech and kept the audience in rapt attention as he laid out the global innovation profile, and where Ireland is positioned. His message for Ireland was broadly positive, a lot done, however a lot more to do also, and that the public sector research structure has a massive role to play in driving innovation and R&D for industry.

Following the keynote address there were impressive presentations from Hilda Mulvihill from Stryker and Kevin O'Keefe from GSK speaking about how Open Innovation plays a key role in their organisations. Illustrating the value that collaboration with third level institutes can bring to companies, the Pharmaceutical and Molecular Biology Research Centre (PMBRC) based in Waterford Institute of Technology and the Centre for Research in Engineering Surface Technology (CREST) based in Dublin Institute of Technology both presented with partner companies EirGen and Cannon Hygiene respectively. These presentations outlined different mechanisms to fund R&D and practical outcomes of these.

The theme of how to fund R&D continued after lunch, facilitated by a panel discussion which included presentations on the Irish Research Council, Science Foundation Ireland, FP7, Enterprise Ireland and tax credits.

Rounding off the day were presentations from two indigenous Irish SMEs - Brandon Products and Cybercolloids - talking about practical examples of Open Innovation and a presentation from multinational PepsiCo on their drivers for engaging in Open Innovation.

Day 2 gave postgraduate and early stage postdoctoral researchers the opportunity to present on industry relevant/specific research that they were engaged in. The Medical Engineering Design and Innovation Centre (MEDIC), based in Cork Institute of Technology provided the presentation that set the scene for the day - that of managing intellectual property. A number of presentations followed, detailing the technologically advanced and industry relevant work being performed in Ireland.

Presenters included those from CIT, ITT, LIT and DIT. The Conference concluded with a workshop on Intellectual Property provided by Technology from Ideas. They had a tough crowd for the final afternoon of the conference, but all were soon deeply engaged in throwing out brainstormed ideas for new technologies.

Shannon ABC are already in the planning stages for next year. Thank you to all those who responded to the on-line questionnaire. Some great feedback has been received – based on the survey, 90% of attendees would see value in attending next year or would recommend a colleague to attend. There have also been some excellent suggestions as to topics to address next year. Shannon ABC looks forward to welcoming attendees to Open Innovation 2013, which is to be held in IT Tralee.

SCHOOL OF THE BUILT ENVIRONMENT

Where opportunities occur staff within the School of the Built Environment have undertaken a range of scholarly/research based activities over the last academic year. Some key achievements include; A staff member in the area of knowledge management having published at three conference presentations; COBRA University of Salford; IPGRC University of Salford; and BIM Newcastle-upon-Tyne. A further four papers in Knowledge Management have also been published. Another member of staff published a book titled 'Sound insulation of a lightweight partition wall' and has a paper accepted at the CHOBES Special Session on "Innovation in Learning and Teaching Practice", ASC International Conference which was held in Birmingham. With developments occurring in public procurement within Ireland a staff member attended and chaired a panel of construction experts with an interest in the capital works management framework. The output of this provided data for policy making for the Department of Finance who were participating in the exercise and also informed Davis Langdon's research for its economic publications on the state of the construction industry. Various submissions through the GRO bursary mechanism were also undertaken. The School was particularly delighted in having a member of staff gain a PhD from the University of Salford.

LIT TIPPERARY SCHOOL

SERVE: This project (Sustainable Energy in a Rural Village Environment) was run in conjunction with a number of national and international partners

including the TEA, North Tipperary County Council and SPIL, the Cloughjordan Eco-village company and continued during 2012.

The programme involved assistance with the installation of renewable energy projects (particularly the district heating system in Cloughjordan and the Biomass boiler in Gurteen) and the retro-fitting of houses and other buildings with energy saving and management systems.

A key part of the project was the gathering of data regarding energy use in the participating buildings and this has produced a major body of accurate data that is being used in a lot of contexts. The project also involved socio-economic analysis carried out by one of the international partners.

SERVE is one of only two CONCERTO projects that has been completed on time and on budget. It has also received a number of awards. LIT were the Scientific Coordinators of the project.

SUSTAINCO: This is a follow-on from SERVE with some of the same partners which commenced towards the end of 2012. SUSTAINCO aims to support ambitious European vision for the energy performance of its buildings. By 2020 all new buildings shall be Nearly Zero Energy Buildings (NZEB), with intermediate targets by 2015. The project will build capacity within the partner countries through exposure to best practice (from CONCERTO and other projects), supporting integrated approaches to design and retrofitting of buildings and building capacity in rural regions to engage in the Covenant of Mayors.

An important activity of the SUSTAINCO project will be to increase the visibility of front-runners, for both new build and/or renovation, with the aim of capacity and confidence building in the public sector.

ENDURANCE: ENDURANCE aims to build an effective, European-wide structure to support the establishment and implementation of Sustainable Urban Mobility Plans. In order to achieve this, it aims to make the efforts of many European projects and programmes enduring by channelling their efforts into a common structure, by filling the gaps and by making these efforts enduring beyond the end of the projects.

This proposal was accepted towards the end of 2012 and is now in negotiation.

BUSI: This project continued in 2012. BUILD UP Skills is an EU Initiative to improve the qualification and skills of Europe's building workers which are essential to build, equip and renovate buildings of high energy performance. The Initiative focuses on continuing education of craftsmen and other on-site building workers.

The Irish part of the project is being led by LIT with many partners. The outputs from the project will;

- Outline the current range of education and training programmes available
- Identify the gaps that exist in relation to training provision/skills available and requirements to meet 2020 energy targets
- Deliver a roadmap for the future which will identify measures to overcome barriers and skill gaps in the various professions to meet the 2020 targets in the building sector.
- Embed training on intelligent energy solutions through changes in the mainstream curricula and practice.
- Put in place the necessary measures to ensure that the added value of a more highly qualified workforce is recognised and the use of qualified workers is incentivised or made obligatory.

National Rural Network: This project continues to be implemented by the Development Unit on behalf of the Government. The project is valued at €450,000 per annum and involves a variety of case studies, research projects, website maintenance, an Annual Conference, forum meetings and participation in international events. The participants are Ciaran Lynch, Paula Briody and John Kennedy with the assistance of Pat Bogue, an external contractor.

Limerick and Clare Sports and Physical Recreation Strategy: This work was commissioned by Limerick and Clare County Councils, Limerick City Council and the Mid-West Regional Authority. This work was on-going from January to August 2012 with the main body of the work being carried out by Ciaran Lynch. The work involves the development of a Strategy and the carrying out of a Strategic Environmental Assessment.

Ballyhoura Community Development Research: This project is being carried out by Catherine Corcoran and Ciaran Lynch and is aimed at helping Ballyhoura to refine its participatory community planning model. The project is focused on Charleville and Knocklong and continued during 2012.

INFORMATION TECHNOLOGY

The Technology Development project TD20080240 was completed in September 2011 and led to Mr. Ted Scully joining the LEAP programme. The project resulted in LIT's first patent being granted in 2012 and Mr. Scully came to an agreement with LIT to examine the feasibility of commercialising the IP of the project.

The department is also involved in innovation vouchers with the following companies;

- Smart Marketing Ltd.
- Panaplay Ltd.
- Datatrace Ltd.
- Get Me There Ltd.
- Henry Higgins School of Communications Ltd.
- Xindi Ltd

BUSINESS AND HUMANITIES

Currently, there are 8 postgraduate by research students in the School of Business and Humanities. The following list details the primary research activities within the School;

Current researchers

- Feb 2013 - Feb 2015: Marie Taylor researching Community Development and its corresponding relevance for the Hunt Museum, Limerick. This thesis intends to explore the contribution of players from within the community within specific case study examples such as the Hunt Museum. (LIT/Hunt Scholarship 2013)
- Oct 2012 - Oct 2014: Jamie Meehan undertaking collaborative research with the Limerick Chamber of Commerce as part of the Limerick Chamber Bicentennial Scholarship 2012 focusing on research in the areas of entrepreneurship, enterprise development and franchising.
- Oct 2012 - Oct 2014: Adrian Bane is undertaking Culinary research with a working title 'The Place of Food in Irish Society. This is the first MA (by research) for LIT within the Culinary discipline and reflects the expanding research supervisors within the department while also emphasising the significance of food in culture. This research seeks to explore Ireland's food related behaviour and attitudes, analyse the extent to which (if any) culture influences observed similarities and differences in the context of food consumption and assess food consumption patterns across selected market segments.

- Oct 2012 - Oct 2013: Annie Cowhey is undertaking research in the area of Social Media as it pertains to the tourism industry.
- Oct 2011 - tba: Billy Breen is researching in the area of Business/Marketing on a part time basis as part fulfilment for MBS.
- Oct 2011 - Oct 2013: Laura Rougheen is jointly supervised by a colleague from LSAD and the Department of Business as the area of research is multidisciplinary as the research incorporates both the discipline of Marketing and Art.
- Oct 2011- Oct 2013: Sharon Kiely due to present her thesis as part fulfilment for an MA (by research) entitled: An evaluation of county Clare's current brand used in the promotion of its tourism product.
- Oct 2011 - Oct 2013: Jillian Robinson due to present her thesis as part fulfilment for an MA (by research) entitled: An assessment of the economic contribution of tourism to the Ballyhoura region.
- Oct 2011 - tba: Seoirse Bulfin researching in the area of Sports Psychology and due to present his thesis as part fulfilment for an the award of MA (by research) in October 2013/14.

Most recent MA awards:

Oct 2012: Meghan Griffin awarded MA (by research) in the area of Event Management with a thesis entitled: Understanding the management of volunteers within the events industry.

Oct 2011: Ailse Quinn completed her thesis entitled: An investigation into the potential to attract additional business tourism to the Midwest region through the development of professional association and academic conferences and was awarded an MA by research.

Oct 2011: Mary Mulcahy awarded an MA (by research) in Social Care with her thesis entitled: To develop a strategy to engage hard to research families in a family support programme in Southill.

2.0 RESEARCH DEVELOPMENTS

Research activity across LIT continues to rise this year. Every School and Department has seen an increase in postgraduate student numbers and research activity by LIT lecturing staff. There are currently 81 registered postgraduate students and this year there were 8 graduations – one in the Department of Business, two in the Department of Humanities, one in the School of the Built

Environment, one in the Department of Electrical and Electronic Engineering, one in the Department of Information Technology and one in Limerick School of Art and Design.

The following list of Research Degree Programmes currently being undertaken by LIT postgraduate students highlight the diverse range of research topics being studied by postgraduate students at Master's and PhD level:

2.1 School of Art and Design

- Theoretical Theatrics (working title).
- Enunciating the Non Verbal: An investigation into the therapeutic values of Equine Assisted Therapy/Learning and the development of audio visual enhancement tools.
- The Phenomenology of Perception.
- Breaking the rule of silence.
- To research and develop an innovative fashion collection using the approach of inclusive design to achieve greater social inclusion for disabled people
- Shinnors Scholarship in Curatorial Studies.
- Concealed revelations (working title).
- Landscape & Memory.
- Perception and Cognition in Social Contexts, with Particular Reference to Limerick and Quimper's Cultural Exchange; The Twinning Process. A sense of Participation in Europe ?
- Culture, Consciousness and Self- Awareness "St. Brigid's".
- Toward an ethical portrait.
- Curatorial research with VISUAL Centre for Contemporary Art, Carlow.
- An exploration of the artistic process through an empirical study.
- Shinnors Scholarship in Curatorial Studies.
- The Self in Society.
- Working Title: Design and Product in the Context of Irish Identity.
- The Michael O'Connor Poster Archive.
- An investigation into certain dynamics influencing the international contemporary art market.
- Dereliction and Resurrection: The Limerick Sailors Home.

2.2 School of the Built Environment

- Evaluation of combined ground based positioning and satellite positioning systems versus LiDAR for highway planning, location and design.

- A Critical Analysis of the Irish Government's Stance on Sustainable Development Focusing on Green Roofs and Living Walls Construction.
- Sustainable Asset Management of Primary Schools in Ireland.
- Potable Water Distribution Network Model for Quality and Operations Management.
- LiDAR for engineering projects evaluating appropriate users.
- To identify the gap between the current training provision in the field of energy efficiency and renewable energy applications in the built environment and the predicted future skills needed in this sector.

2.3 School of Business and Humanities

Department of Humanities

- Devising a competency based model of social care training based on active learning strategies.
- A conceptual framework for volunteer motivation in the events industry.
- An investigation into the potential to attract additional business tourism to the Midwest region through the development of professional association and academic conferences.
- Development of a strategy to engage hard to reach families in a family support programme in Southill, Limerick.
- An assessment of the economic contribution of tourism to the Ballyhoura region.
- An evaluation of County Clare's current tourism destination brand.

Department of Business:

- Towards a framework for building strong global brands in online B2C marketplace.
- Role of Social Media in the expansion of sales in the business to business market.

2.4 School of Science, Engineering and Information Technology

Department of Mechanical Engineering

- The Development of an Individualised Methodology for Maintenance Policy Selection
- An investigation into the maintenance practices adopted within the Irish manufacturing industry
- The development of a group energy system for industrial parks.

Department of Electrical Engineering

- Evolutionary Algorithms for Solid State Devices.
- Storage Technologies for Renewable Energy Systems.
- Structured development of embedded applications for remote sensor networks.
- A SCADA Based Energy Management System incorporating small scale renewable energy sources for industrial and commercial installations.
- Hybrid renewable energy control system.
- To develop an innovative classroom engagement technique using interactive white boards for the enhancement of teaching and learning of mathematics as applied to engineering science.
- Hydrogen Storage for Large Scale Wind Turbines
- Proof of concept of a NAND Flash Tester.

Department of Information Technology

- Cost benefit & viability analysis of demand side management and pumped storage on the Single Electricity Market.
- E-Voting: Development of a Dual Vote Architecture
- Real Time & Transparent Capture of Ballot Papers for eVoting Systems.
- Small Scale Pilot Study of a Residential Energy Demand Response System".
- Real time wireless sensor monitoring of odorous gas emissions from wastewater treatment plants.
- Accelerating sequential computer vision algorithms using commodity parallel hardware.
- End-User Trainable Machine Vision Systems.

Department of Applied Science

- The Assessment of Evolved Volatile Organic Compounds, as an indication of Sphagnum Growth and Bimolecular Content.
- Application of Wireless Sensor Technology in Waste Water Treatment Plant Environmental Monitoring Systems.
- Extraction and Characterisation of Pyrrolizidine Alkaloids (PA's) from *Senecio Jacobea* (Ragwort) with application to the food and health industry.
- Development of methods for the detection of drugs used in sport.
- The effects of light on the production of anthocyanins in red leaf lettuce.
- An environmental forensic investigation into

the levels of disinfectant by-products and organic compounds in drinking water supplied.

- Extraction and purification of carotenoids from microalgae using super critical fluid extraction and molecularly imprinted polymers.
- To investigate the feasibility of using Molecularly Imprinted Polymers to detect drugs of abuse in saliva samples.
- Thermophilic Enzyme Systems for Bioconversions
- Carbon dynamics associated with miscanthus- elucidation of its decomposition patterns in Irish soils.
- The Development of Enzyme conjugated Molecularly Imprinted Hydrogels.
- The Development and Validation of rapid resolution liquid chromatographic methods for Pharmaceutical application.
- To investigate bioactive compounds from Native Hawthorn.
- Evaluating an active learning approach to teaching introductory physics through an analysis of student academic performance , metacognitive development and changes to cognitive expectations.
- Extraction and Characterisation of antioxidant polyphenols from selected Sphagnum Moss Species; *S. magellanicum*, *S. cuspidatum*, *S. recurvum*.
- A study of the Nitrogen Footprint in the Vicinity of the Shannon River Basin.
- The development and validation of more efficient methods of liquid chromatography employing rapid resolution (RRLC) conventional HPLC with elevated temperatures and various column technologies.
- The development of a novel method for the extraction and separation of drugs of abuse.
- The Effects of Changing Phytohormone levels as a consequence of adverse environmental stresses on the germination rate of different crop species.
- Organic vs. Conventional Foods: A bio-fingerprint
- Developing an interactive engagement technique for enhancing the teaching and learning of first year practical physics using a range of technologies, including a classroom response system.
- Environmental enhancement of the bioflavonoid content of crop species as a means of increasing nutraceutical value.
- Development of methods for the detection of drugs used in sport.

- Regenerable Absorbants: The Contaminant and Moisture Control.
- Mutualistic Plant/Microbe Relationships under Spaceflight Conditions.
- A study of the presence of biological material deposited by secondary transfer followed by identification of the body fluid of Mrna profiling.
- Gravitational Effect on Secondary Metabolism
- ABA & Oxygen Cross Talk.
- Development Methods for the detection of drugs used in Sports.

3.0 RESEARCH FUNDING SECURED

Project Title	School/Dept.	Amount €	Month	Funding Source	Company	Principal Investigator
El Innovation Voucher 20111038 Cafe Noir	Development	5,000	Aug-11	EI	Cafe Noir	Patrick Murray
El Innovation Voucher 20111072 Right Therapy Care	Department of Mechanical and Automobile Engineering	5,000	Aug-11	EI	Right Therapy Care Ltd	Michael Daragh Naughton
El Innovation Voucher 20111206 West Side Tools	Department of Mechanical and Automobile Engineering	5,000	Aug-11	E1	West Side Tools	Michael Daragh Naughton
El Innovation Voucher 20111207 Mobanode	Department of Electrical and Electronic Engineering	5,000	Aug-11	EI	Mobanode	David Sims
El Innovation Voucher 2010 3005 Filter Ability Ltd	Department of Information Technology	5,000	Aug-11	EI	Filter Ability	Ken Oakley
Internship Programme for Space Life IPSLS	Department of Applied Science	17,000	Aug-11	IOT		Michelle McKeon Bennett
SERVE 2007 (Tip Code P040)	Development Office	85,870	Sep-11	EU		Seamus Hoyne
National Rural Network (Tip Code P047)	Development Office	232,094	Sep-11	Dept. of Agriculture		Ciaran Lynch
CESBEM 11 (Tip Code P066) LLP LDV PLM 2010 Ireland 1020	Development Office	42,418	Sep-11	Leargas		Seamus Hoyne
CESBEM 111 (Tip Code P070) LLP LDV PLM 2011 IRELAND 1024	Development Office	161,980	Sep-11	Leargas		Seamus Hoyne
HEAT (Tip Code P071)	Development Office	124,956	Sep-11	Leargas		Seamus Hoyne
El Innovation Voucher 20103014 Stainless Steel Fittings	Department of Information Technology	5,000	Oct-11	Enterprise Ireland	Stainless Steel	Gerry Guinane
BUS1 Intelligent Energy Europe IEE/11/BW1/460/s12.604350	Development Office	118,925.	Nov-11	EU		Seamus Hoyne
NHL Masters Research Programme	Department of Information Technology	20,000	Nov-11	NHL Leeuwarden		Janice O Connell

Project Title	School/Dept.	Amount €	Month	Funding Source	Company	Principal Investigator
EI Innovation Voucher 2011 1108 Agon Labs	Department of Electrical and Electronic Engineering	5,000	Nov-11	Enterprise Ireland	Agon Labs	Neil O Gorman
EI Innovation Voucher 2011 1097 TravelAce Tourist Cafe	Department of Information Technology	5,000	Nov-11	Enterprise Ireland	Travelace	Pat O Hora
EI RE20110021A ARE Stage 2 Shannon ABC Continuation Funding	Shannon ABC	51,750	Nov-11	Enterprise Ireland		Tim Yeomans
EI CF20111307 Development commercial nano anti-reflective glass treatment process for solar glass cover sheets	Department of Mechanical and Automobile Engineering	154,490	Dec-11	Enterprise Ireland		Michael Daragh Naughton
GRO Bursary Effects of spaceflight environment conditions on growth and quality of salad crops	Department of Applied Science	4,257	Jan-12	LIT		Michelle McKeon
GRO Bursary An Evaluation of the Shannon Regions Current Tourism Brand	Department of Humanities	4,257	Jan-12	LIT		Noelle O Connor
GRO Bursary ABA & Oxygen Cross Talk	Department of Applied Science	4,257	Jan-12	LIT		Michelle McKeon
GRO Bursary Potable water distribution network model for quality and operations Management	School of the Built Environment	4,257	Jan-12	LIT		Paul Vesey
GRO Bursary Forensic Drug Detection	Department of Information Technology	4,411	Jan-12	LIT		Siobhan Moane
GRO Bursary Gravitational Effect on Secondary Metabolism	Department of Applied Science	4,257	Jan-12	LIT		Michelle McKeon
GRO Bursary Mutualistic Plant Microbe Relationships under Spaceflight Conditions	Department of Applied Science	4,257	Jan-12	LIT		Michelle McKeon
GRO Bursary Regenerable Absorbents Trace Contaminant and Moisture Control	Department of Applied Science	4,257	Jan-12	LIT		Michelle McKeon
GRO Bursary Carbon Dynamics	Department of Information Technology	4,411	Jan-12	LIT		Mike Winterburn
GRO Bursary The Development of a sustainable group energy system for industrial parks	Department of Mechanical and Automobile Engineering	4,257	Jan-12	LIT		Frances Hardiman

Project Title	School/Dept.	Amount €	Month	Funding Source	Company	Principal Investigator
To Investigate the transition from dependent to self-directed independent learning using a range of technologies in a first years physics course	Department of Applied Science	33,072	Jan-12	Strategic Innovation Fund		Leah Wallace
El Innovation Voucher 2011 2070 Great Scott Communications	Department of Information Technology	5,000	Jan-12	Enterprise Ireland	Great Scott Communications	John Jennings
GRO Bursary Dereliction & Resurrection The Limerick Sailors Home	School of Art & Design	4,257	Jan-12	LIT		Dara Waldron
GRO Bursary O'Connor Poster Archive Publication	School of Art & Design	4,257	Jan-12	LIT		Adrian Byrne
GRO Bursary An investigation into certain dynamics influencing the international contemporary art market	School of Art & Design	4,257	Jan-12	LIT		Michael Canning
El Innovation Voucher 2010 3021 Get Me There	Department of Information Technology	5,000	Feb-12	Enterprise Ireland	Get Me There	Ken Oakley
Characterization of gold and silver nanoparticles produced using thermophilic fungal biosynthetic systems Tyndall	Shannon ABC	2,894.19	Mar-12	Tyndall National Institute		Patrick Murray
El Innovation Voucher 2011 1004 Simple Living Solutions	Shannon ABC	5,000	Mar-12	Enterprise Ireland	Simple Living Solutions	Patrick Murray
El Innovation Voucher 2011 3113 Airmid Healthgroup	Department of Applied Science	5,000	Mar-12	Enterprise Ireland	Airmid Health Group	Michelle McKeon
El FP7 Travel Support FP1211451A Space EU Conference	Department of Applied Science	1,600	Mar-12	Enterprise Ireland		Michelle McKeon
GRO Bursary A Critical Analysis of Ballyhoura's tourist profile	Department of Humanities	4,257	Mar-12	LIT		Noelle O Connor
El Innovation Voucher 2011 3005 GL Meats Ltd T/A Garretts	Development Office	5,000	Mar-12	Enterprise Ireland	GL Meats T/A Garretts	Tracy Fahey and Agnes Bouchair-Hayes
SUSTAINCO Sustainable Energy for Rural Communities	Development Office	162,771	Mar-12	EU		Seamus Hoyne
Shinnors Scholarship 2012	School of Art & Design	24,128.50	Mar-12	Limerick City Gallery		Mike Fitzpatrick
El Innovation Voucher 2012 0013T Irish Response Ltd	Shannon ABC	8,500	Mar-12	Enterprise Ireland/Irish Response Ltd	Irish Response Ltd	Patrick Murray
GRO Bursary Detection of Drugs in Sports	Department of Applied Science	4,257	Apr-12	LIT		Jim Healy

Project Title	School/Dept.	Amount €	Month	Funding Source	Company	Principal Investigator
Presidents Bursary PhD The case for calvin's consistency and the non-existence of of speculative realism	School of Art & Design	4,411	Apr-12	LIT		Kieran Cashell
Total Energy Management for Production Operations TEMPO TC 2012 1008A Enterprise Ireland	Department of Electrical and Electronic Engineering	209,722	May-12	Enterprise Ireland		John Cosgrove
EI Innovation Voucher 2011 3145 JB Learning Solutions	Development Office	5,000.	Jun-12	Enterprise Ireland	JB Learning Solutions	Ben Hennessy
EI Innovation Voucher 2012 2144 Agon Labs	Development Office	5,000.	Jun-12	Enterprise Ireland	Agon Labs	Neil O Gorman
EI Innovation Voucher 2012 2168 Iron Images Ltd	Development Office	5,000.	Jun-12	Enterprise Ireland	Iron Images Ltd	Michael Daragh Naughton
EI Innovation Voucher 2012 12019 Ogra Skincare Peat Analysis	Department of Applied Science	5,000	Jun-12	Enterprise Ireland	Dunville Peat & Herbal Products	Michelle McKeon
CF 2012 2723Y - Feasibility Study on Production of potent natural antioxidant mix for seafood by products EI	Shannon ABC	7,000	Aug-12	Enterprise Ireland		Thippeswamy Sannaveerappa
EI Innovation Voucher 2012 0006T Tourist Cafe	Department of Information Technology	11,500	Aug-12	Enterprise Ireland/ Tourist Cafe	Tourist Cafe Ltd	Ken Oakley
HEAT Plus 11 LLP-LDV-PLM-2012-Ireland-1023 Sustainable Plumbing Programme in Germany Leonardo Da Vinci Mobility	Development Office	172,575	Aug-12	Leargas		Ciaran Lynch
EI Innovation Voucher 2012 2031Westside Tools & Equipment	Development Office	5,000	Aug-12	Enterprise Ireland	West Side Tools	Michael Daragh Naughton
EI IP20120395 Development of a Biological Fingerprint (Shannon ABC Lifes 2 good)	Shannon ABC	122,859	Sep-12	Enterprise Ireland	Lifes 2 Good	Patrick Murray
GRO Bursary The Development of Methods in Shannon ABC for the detection and quantitation of sugars	Department of Applied Science	10,814	Sep-12	LIT		Elaine Raggett
EI Innovation Voucher 2012 1131 Smart Marketing Ltd	Department of Information Technology	5,000	Sep-12	Enterprise Ireland	Smart Marketing	Ken Oakley

4.0 NEW INDUSTRIAL COLLABORATIONS

The number of companies which LIT supports in terms of research (both regional and national) continues to rise and this year the following companies have joined the long list of industrial collaborators on research projects during the year under review:

School/Dept.	Company
Department of Applied Science	Cafe Noir
Department of Mechanical Engineering	Right Therapy Care Ltd
Department of Mechanical Engineering	West Side Tools
Department of Electrical and Electronic Engineering	Mobanode
Department of Information Technology	Filter Ability
Department of Information Technology	Stainless Steel
Department of Electrical and Electronic Engineering	Agon Labs
Department of Information Technology	Travelace
Department of Information Technology	Great Scott Communications
Department of Information Technology	Get Me There
Shannon Applied Biotechnology Centre	Simple Living Solutions
Department of Applied Science	Airmid Health Group
Shannon Applied Biotechnology Centre	GL Meats T/A Garretts
Shannon Applied Biotechnology Centre	Irish Response Ltd
Development Office	JB Learning Solutions
Development Office	Agon Labs
Development Office	Iron Images Ltd
Department of Applied Science	Dunville Peat & Herbal Products
Department of Information Technology	Tourist Cafe Ltd
Development Office	West Side Tools
Shannon Applied Biotechnology Centre	Lifes 2 Good
Department of Information Technology	Smart Marketing

5.0 HETAC VALIDATION

Limerick Institute of Technology carried out self-assessment exercises in 2011 which formed the basis of an application to HETAC for re-approval to carry out research in relevant disciplines. LIT applied for continuing approval in discipline areas which were approved under the 'grandparenting' arrangement

of Section 4.4.2 of 'Taught and Research Degree Programme Accreditation Policy and Criteria' (August 2005). Each of the four schools of LIT submitted a self-assessment report (SER) to HETAC in April 2011 along with a brief summary of the Institute's overall research strategy. The outcome of LIT's application for re-approval is outlined in the below table;

Research Status of all HETAC providers who offer research programme's at either Level 9, or Levels 9 and 10. July 2012

Record of Approved Research in HETAC providers at July 2012 (Stage 1)

Record of Accredited Research in HETAC providers at July 2012 (Stage 2)

Record of Delegated Authority in areas of Research at July 2012

Institution	Date of HETAC decision	Research at Level 9	Research at Level 10
Limerick Institute of Technology (Approved)	2005 (GC)* 2007*(Tipperary Institute)	Economics and Business* Engineering and Technology (Electrical, Electronic, Mechanical, Civil, Built Environment) * Social Sciences (Social Care)*	Chemical Sciences, Earth & Related Environmental Sciences, Biological Sciences Engineering and Technology (Information Engineering, Environmental Engineering)* Computer & Information Science*
Limerick Institute of Technology (Accredited)	2005	Renewable Energy Control Systems	n/a
Limerick Institute of Technology (Delegated Authority)	n/a	n/a	n/a

2005 (GC) * - This related to the Grandparenting Clause under which areas where research had been conducted in institutes prior to the establishment of HETAC's Policy on Research Accreditation were deemed to be 'approved' following an evaluation process.

6.0 ENTERPRISE

ENTERPRISE DEVELOPMENT & BUSINESS LIAISON

(A) ENTERPRISE PROGRAMMES

- Total Number of 2012 Programmes Operated in 2012 = 7.
- Total Number of 2012 Participants = 115 (+100 Marketlink).
- Over 150 days of business workshops facilitated
- New Programmes in Development = 3.

New Frontiers

Enterprise Ireland's Enterprise Platform Programme was restructured for 2012 under the new brand "New Frontiers".

The programme is open to applications from a diversity of sectors including; food and consumer products, information and communication technology, engineering and electronics, medical devices, biotechnology, pharma, digital media, cleantech/renewable energy and eligible internationally traded services. Ideally applicants have the following characteristics;

- Intend establishing a manufacturing or internationally traded services business or a new domestically traded service business with the potential to trade internationally.
- Ambitious and have the capability and commitment needed to develop a sustainable business.
- Growth orientated - planning to achieve turnover greater than €500,000 and create more than five jobs in three to five years time.
- Develop a business that is built upon a strong foundation of innovation and/or technology.
- Show evidence of a commercial market for your proposed product or service.

LIT has partnered with IT Tralee to operate the New Frontiers programme in Limerick and Tralee with shared management and other resources. LIT were successful in securing funding from EI for the programme:

- Phase 1 (May/June 2012) – Introductory Phase with 25 participants (intake to Phase

2 also came through an Enterprise START programme).

- Phase 2 (July-Dec 2012) – Development Phase with each participant receiving €15k of funding based on challenging milestones being achieved – 9 participants in LIT and 9 in ITT.
- Phase 3 (Jan – Mar 2013) – Rollout phase / Commercialisation phase with introductions to investors, funding rounds etc.

The programme operates from the Hartnett Centre with all Phase 2 & 3 participants receiving office space for the duration of the programme.

LEAP

The Limerick Enterprise Acceleration Platform (LEAP) programme is targeted at entrepreneurs and early stage start-up companies located in the Limerick and Clare region. The programme is open to applications from a diversity of sectors. Ideally applicants have the following characteristics;

- Ambitious and have the capability and commitment needed to develop a sustainable business.
- Growth orientated - planning to achieve turnover greater than €100,000 and create more than three jobs in three to five years time.
- Show evidence of a commercial market for your proposed product or service.

The programme runs over a 9-12 month period with approximately 40 days of business workshops and modules plus guest lectures, one-to-one mentoring and other supports.

LEAP is funded from LIT resources and with the support of AIB. There were 12 participants on the 2012 programme which operates from the National Franchise Centre, where all participants are provided with fully serviced office space for the duration of the programme.

TESS

The Tipperary Enterprise Start-Up Support (TESS) programme is targeted at entrepreneurs and early stage start-up companies located in the Tipperary region. The programme is open to applications from a diversity of sectors. Ideally applicants have the following characteristics;

- Ambitious and have the capability and commitment needed to develop a sustainable business.
- Growth orientated - planning to achieve turnover greater than €100,000 and create more than three jobs in three to five years time.
- Show evidence of a commercial market for your proposed product or service.

The programme runs over a 9-12 month period with approximately 40 days of business workshops and modules plus guest lectures, one-to-one mentoring and other supports.

TESS is funded from LIT resources. There were 8 participants on the 2012 programme which operates from the Thurles Chamber Enterprise Centre, where all participants are provided with fully serviced office space for the duration of the programme.

FAST

Franchise Acceleration Start-up Training (FAST) is an enterprise development support programme for capturing and promoting the success of Business Format Franchising as a business start-up model and employment generator. Ideally applicants have the following characteristics;

- Ambitious and have the capability and commitment needed to develop a sustainable business.
- Have some funding available to them to help buy a franchise business.
- Planning to create more than three jobs in three to five years time (some franchises cater nicely for people who just want to create employment for themselves so the programme does accept people whose aim is to create just 1 job however selection panels should prioritise places on the programme for those who want to create more than 1 job).

The programme runs over a 9-12 month period with approximately 40 days of business workshops and modules plus guest lectures, one-to-one mentoring and other supports.

FAST is funded from LIT resources and with the support of AIB. There were 12 participants on the 2012 programme which operates from the National Franchise Centre, where all participants are provided with fully serviced office space for the duration of the programme.

Enterprise START

The Enterprise START programme offers free training and business advice to potential entrepreneurs to assist them in developing their business ideas into tangible business plans.

Enterprise START will provide guidance on assessing the feasibility of a business idea and give insights into the essential elements involved in creating a new enterprise.

The programme is run part-time over 6 weeks during the evening/weekend and offers a real market-place perspective on what is involved in creating a competitive and sustainable commercial enterprise.

In 2012 there were 45 participants in Enterprise START programmes which were run on 3 occasions (1 in Limerick and 2 in Thurles).

Marketlink Entrepreneur

Marketlink is an innovation and entrepreneurship programme for undergraduate students. The programme assists students to find business ideas, evaluate these ideas and develop the skills and model to commercialise that idea for a market event. Over 100 students attended the Marketlink briefings and over 1,000 people took part in the Market day event.

New Enterprise Programmes

During 2012, LIT Enterprise advanced the development of a number of new Enterprise programmes for rollout in 2013. These include:

CREATE – Croom Enterprise Acceleration Training & Education

This programme is due to be rolled out in Q2 2013 in conjunction with the official opening of the Croom Community Enterprise Centre. The programme is similar to Enterprise START and is aimed at budding entrepreneurs in the Croom area who wish to evaluate their business idea and get an overview on the path to commercialisation and business start-up.

Franchise START

Franchise START is a training programme catered to those who wish to assess the feasibility of scaling their existing business using the franchise model which is to be delivered in Q1 2013 at the NFC. This programme will help evaluate the participant's current situation and what planning is required, areas such

as intellectual property, the market, the systems, profitability etc.

Kaufmann

Kauffman FastTrac® Program is a suite of programs which includes FastTrac® GrowthVenture™, FastTrac® NewVenture™ and FastTrac® TechVenture™. It offers an entrepreneurial ecosystem complete with group oriented courses designed to help entrepreneurs grow their business featuring essential frameworks, strategies and insights along with a reliable support network of leaders and peers.

(B) ENTERPRISE CENTRES

- 2012 - Total Number of Centres = 3.
- 2012 – Total Number of Centre Jobs = 127 .
- Total Number of Jobs Created (cumulative) = 400.
- 28,400 sq.ft of dedicated space in 2012.
- New Centres in Development = 1.
- New Centres being planned = 3.

Overview

LIT has the most extensive enterprise centre programme of any Higher Education Institution in the country. With 3 active centres providing enterprise programmes and supports and with a further 3 – 4 centres to come on stream. LIT have recognised the need to take an active lead in enterprise development.

Hartnett Enterprise Acceleration Centre (HEAC)

2012 - 60 Companies in 6 years employing 300 people

The Hartnett Enterprise Acceleration Centre is Limerick Institute of Technology's Moylish on-campus incubator for innovation and growth driven business start-ups in the Mid-West region of Ireland. Funded in part by Enterprise Ireland and named after John Hartnett, LIT graduate and founder of the Irish Technology Leadership Group in Silicon Valley, the Hartnett Centre is one of the leading enterprise incubator's in the country with a strong track record of enterprise and job creation.

The New Frontiers Programme is based at the Hartnett Centre.

The centre also provides space to a number of significant applied research projects, such as

Shannon ABC, which are supporting existing and new enterprise development in the region.

National Franchise Centre (NFC)

2012 – Supporting 50 jobs since commencement

The National Franchise Centre (NFC) is a centre of excellence in Ireland for capturing the successful framework and methodology of franchising. Established in 2011 by Limerick Institute of Technology in partnership with Limerick Chamber, the NFC is an enterprise hub in the heart of Limerick city providing relevant educational and business training for the type of entrepreneur who is comfortable following/developing, a process based business model.

Thurles

2012 - Supporting 40 jobs in under 1 year

Thurles Chamber Enterprise Centre is a collaborative development between Thurles Chamber of Commerce and Limerick Institute of Technology. The Centre was established to facilitate the development and growth of new local enterprises and to provide a location in Thurles which would allow the creativity and vision of the people of the area to contribute to its future economic well-being. The Centre provides a modern, well-equipped and conveniently located range of facilities for the entrepreneurs of the area. Join us and allow us to support you in making your ideas a reality.

Future Centres

The following centres are in development or are under discussion with the potential to come on stream in 2013-2014:

Croom Community Enterprise Centre (CCEC)

Croom Community Enterprise Centre reached practical completion in December 2012 and is due to open in quarter 1 of 2013.

LIT has secured a 20 year exclusive agreement to provide enterprise programmes and supports and in addition has a significant space dedicated to LIT activity within the centre.

A new Enterprise START programme titled CREATE has been specifically developed for the centre and will run in quarter 2 2013.

Research and innovation Centre, Clonmel (RICC)

Plans are being finalised for the Research &

Innovation Centre in Clonmel. This project will be a design and build and the contractor has been appointed.

It is planned to commence building enterprise pipeline in the 2nd half of 2013 through the delivery of Enterprise START programmes and awareness building.

Irish Fashion Incubator (IFIL)

Discussions are taking place with Limerick Local Authority for the development of IFIL in the city centre.

LEDP Cleantech Incubator

Advanced discussions have taken place with LEDP about the development of a Cleantech Incubator at their site in Roxboro. It is anticipated that these discussions will conclude in quarter 1 of 2013.

Newcastle West Chamber Enterprise Centre

Initial discussions have taken place with Newcastle West Chamber about the development of an enterprise centre and enterprise programmes to service West Limerick. It is expected that more extensive discussion will take place during the 1st half of 2013.

In addition, the potential to deliver certain elements of the LIT Enterprise Ladder, in particular enterprise programmes, in other centres is being explored.

(C) LIT ENTERPRISE LADDER

2012 – 2 new steps on the ladder

LIT's Enterprise Ladder is a unique solution for start-up and early stage companies who require a level of supporting expertise to ensure their next and subsequent steps are the right ones.

It is the visualisation of LIT's Enterprise Strategy

From a one-day boot camp to developing a high-potential technology start-up enterprise, LIT has a matching enterprise programme to ensure your start-up business has the best possible chance of success.

The LIT Enterprise Ladder makes a major contribution to the knowledge base and innovation in our region and beyond.

LIT are set to significantly build on this, year on year, thanks to the roll out of additional programmes at

the Hartnett Centre, the National Franchise Centre and the new centre in Thurles and Croom, as well as planned centres in Clonmel and the Irish Fashion Incubator in Limerick city centre.

All of this will have a measurable impact on new company formation, employment creation and innovation both through and with our client companies and applied research functions.

2 New Steps

The finalisation of strategic partnerships in 2012 with Croom Community Enterprise Centre and with Silicon Valley Partners will see further advancements in LIT's Enterprise Ladder in both programmes offered and facilities available to support enterprise development.

(D) ENTERPRISE LADDER FUND (ELF)

2012 – Raising Over €350k to support enterprise development

LIT has established a seed fund to provide early stage financial equity for start-up companies. This seed fund will focus on supporting the start-up companies in LIT's existing enterprise centres based in the Hartnett Enterprise Centre in its Moylish Campus, the National Franchise Centre in its O'Connell Street Campus, Thurles Chamber Enterprise Centre at LIT Tipperary and Croom Community Enterprise Centre in conjunction with Croom Development Agency as well as the planned IFIL – Irish Fashion Incubator in Limerick city centre and the Research & Innovation Centre at the LIT Tipperary Clonmel Campus.

The vision for ELF is to invest funds to assist start up business so that the enterprise has enough funds to sustain itself for a period of development until it reaches either a state where it is able to continue funding itself, or has created something of value so that it is worthy of future rounds of funding. The ELF is expected to form part of and to supplement an overall financing of early stage companies

The ELF support for a startup business is expected to be in the range of €10,000 to €25,000 per enterprise.

The fund was launched in April 2012 by Minister for Finance Michael Noonan, T.D. and a significant portion of the €1m fund target was raised in 2012.

The fund was opened to applications from LIT enterprise clients in November 2012 and awards are due to be made in early 2013.

(E) STRATEGIC PARTNERSHIPS

Irish Technology Leadership Group (ITLG)

LIT has partnered with the Irish Innovation Centre (IIC) in Silicon Valley and the Irish Technology Leadership Group – both of which are lead by John Hartnett, an LIT Graduate and whom our Hartnett Enterprise Acceleration Centre is named after.

LIT delegates went to Silicon Valley in December 2011 to strengthen this relationship and open the gateway for our client companies and enterprise alumni. As a result of this visit the Hartnett centre clients, EPP (New Frontiers/LEAP) participants and alumni have connected with Silicon Valley and have the opportunity to participate in study and summit visits to Silicon Valley, the next being planned for May 2013.

Silicon Valley Global Partners (SVG)

LIT has partnered with SVG to bring the Kaufmann suite of management development programmes to Ireland.

Silicon Valley Global Partners (SVG Partners) is a management consulting firm founded by experienced technology executives that drive competitive advantage across organisations, from strategy to implementation.

SVG own the licence to deliver the Kaufmann programme suite in the UK and Ireland. LIT have negotiated a MOU with SVG which will provide LIT with exclusive rights to deliver these programmes in Munster, Connaught and Co. Offaly.

Chambers of Commerce

LIT has partnered with Limerick Chamber in the establishment of the National Franchise Centre and continued this model in 2012 with the opening of the Thurles Chamber Enterprise Centre – a partnership between Thurles Chamber, LIT and others that has established a 12,100 sq.ft enterprise centre on the LIT Thurles campus where a number of LIT enterprise programmes have been delivered in 2012.

LIT is examining other potential partnerships with business representative bodies where this will

provide benefit to the body/community and is in line with LIT's enterprise strategy.

Community Organisations

LIT has partnered with Croom Community Development Association to develop the Croom Community Enterprise Centre which reached practical completion in December 2012 and will open in quarter 1 of 2013 with a full time manager in situ and agreement in place for LIT to provide enterprise programmes for the centre.

LIT has also collaborated with a wide range of partners to finalise plans for a Research & Innovation centre in Clonmel. This project will be a design and build and the contractor has been appointed. The project is now at final design stage with work due to commence in 2013.

LIT is also working with community partners, including Limerick Local Authority to find an appropriate site for the development of the Irish Fashion Incubator (IFIL). This partnership should see the project advance significantly in 2013.

(F) ENTERPRISE EVENTS

2012 – Over 3,800 attended LIT Enterprise Events Showcase

LIT held its 6th Annual Entrepreneur Showcase – the LIT Irish Innovation Showcase in October 2012. This was the biggest event yet and attracted over 2,000 people throughout the day. DELL kindly facilitated the event at their premises in Raheen Industrial Estate in Limerick and helped to coordinate the event and provide some resources.

The event incorporated 3 Keynote Seminars on Innovation, Internationalisation and Funding, as well as over 20 workshops on various business topics and a Pitchcrawl Competition with a €5k 1st prize which was awarded to a 2012 New Frontiers Tralee participant. Keynote speakers included leading Silicon Valley executives, as well as Country senior managers for leading Enterprise Ireland clients such as Action Point Technology and Surecom as well as IDA/FDI companies such as Dell and Johnson & Johnson (Vistakon).

The event was also sponsored by Limerick Chamber, who organised 15 Embassy Trade Delegations to showcase and present potential commercial opportunities with their countries.

Newstalk broadcasted the lunchtime show live from the venue and interviewed key stakeholders on enterprise development in the mid-west region. Irish Innovation Showcase is the flagship event in LIT's enterprise calendar and provides the opportunity for LIT enterprise clients to showcase their businesses, network, expand their enterprise knowledge and create opportunity.

Regional Business Awards

LIT is proud to be the main sponsor of Limerick Chamber's Mid-West Region Business Awards which gives businesses a platform to showcase their accomplishments.

This Event is a celebration of business success and will highlight business achievements, innovation and excellence in the region.

The winning businesses demonstrate a commitment to success through innovation, investment expansion, strategic acquisition or service performance that has led to a significant increase in business.

Over 100 people attend the Awards launch and over 400 people attended the award presentations at the Limerick Chamber President's dinner.

Coder Dojo conference

LIT's continued support of the Coder Dojo movement was reflected in its support for the first ever Coder Dojo Conference in November 2012 which was held in LIT's Millennium Theatre. Approximately 200 delegates attended the conference.

Marketlink Entrepreneur

Marketlink is an innovation and entrepreneurship programme for undergraduate students. The programme assists students to find business ideas, evaluate these ideas and develop the skills and model to commercialise that idea for a market event. Over 100 students attended the Marketlink briefings and over 1,000 people took part in the Market day event.

LEAP and FAST Business Awards

Minister of State, Department of Environment, Community and Local Government with special responsibility for Housing and Planning Jan

O'Sullivan T.D. was the guest of honour at both the LEAP and FAST Business Awards.

The LEAP Awards recognise the development, innovation and commercial potential of businesses who participated in the LEAP programme in 2012. The overall winner was Lisa O'Donoghue of ALR whose prize included a €50,000 term sheet from Enterprise Equity at a presentation in the Millennium Theatre

The FAST Awards recognise the successful development and planning of a new business for participants on the FAST programme in 2012. The overall winner was Anne Hall who received a total prize of €7,000 including €3,000 cash prize from AIB at a presentation in the National Franchise Centre. Over 150 people attended the award events.

Other Events

Other events organised throughout the year included a Silicon Valley Study/Pitch Visit for LEAP participants, a Social Media Day and a number of breakfast briefings, guest lecturers, funding events etc.

(G) OTHER ACTIVITIES

1. IDA itineraries
2. Millennium Theatre and other commercial activity
3. Community Activities (Learning Hub etc.)

4.2 CAMPUS DEVELOPMENT

ESTATES DEPARTMENT

Moylish Campus

The major development for 2011/12 period was the provision of extra science laboratory space resulting in one additional teaching lab, 2 post graduate research labs and the relocation of the Lifelong Learning Office.

Extensive painting and decorating was carried out to 12 classrooms, the student restaurant and ground floor administration.

The installation of built in storage units for ground floor, 2nd floor Administration block, and Estates Office has resulted in more effective use of space.

The main restaurant kitchen flooring was replaced and the ground floor of finance was recarpeted. The BMS system was partially upgraded. This is part of an ongoing upgrade that will be carried out every year.

A significant and phased upgrade to water tanks took place.

Fencing and new access ways were provided at the prefabs to segregate users from Mechanical yard vehicular traffic, with particular emphasis on safer access for all staff and students.

New self study rooms were provided in the library and additional radiators were installed to provide heating to areas adjacent to them.

Clare Street/Georges Quay

Significant repairs were carried out to the gable wall of the Art Library. Hydraulic lime plaster was used as per original specification.

Lockers were provided for students (1st year print).

Additional heating capacity was installed in the sculpture area. This is a double height space and blow heating was used.

The water tanks in Georges Quay were replaced.

Thurles/Clonmel

The most significant event in Tipperary was the installation of a woodchip biomass boiler in Thurles which will contribute to improved energy performance for the campus.

Overview of Energy Usage in 2011

Since our last report Tipperary Institute has been incorporated into LIT, which has resulted in an overall increase in energy consumption. The main energy users at Limerick Institute of Technology are the main campus building in Moylish Park (52% of total), the School of Art & Design, Clare St (18%), Satellite Buildings in Moylish Park (12%) and Tipperary Campuses (18%). The majority of energy is consumed for space heating, air handling, cooking and water heating. The remainder is accounted for by lighting, computer labs and office equipment.

For 2011, LIT consumed 8,875 kWh of energy, made up from:

- 4,521 kWh of electricity. (3,495 + 1,027 for Tipperary)
- 4,353 kWh of natural gas. (3,733 + 620 for Tipperary)

Actions taken to improve the efficient use of energy.

- Fitting extra corridors and some Labs areas of main building with low energy LED lighting.
- Continue with pipe insulation in main building and Clare St campus.
- Control heating temperatures & times.
- Replacement of pottery kilns in Ceramics Department.

4.3 SAFETY AND FACILITIES

Safety Advisory Committee

The Safety Advisory Committee continued its work having met each term during the year.

Accidents

Forty three accidents were reported during the period, twenty six student accidents, ten staff accidents; visitors were involved in five accidents and one each for a Post Grad and a contractor employee. Lost time was associated with three student accidents and one accident to a member of staff. One staff accident was notified to the Health & Safety Authority.

Fire Safety

All Fire Detection and Alarm Systems, Fire Extinguishing Equipment, Smoke Ventilation Systems and Emergency lighting Systems were tested and examined in compliance with legislative requirements and best practice. New E-Prom was fitted in the Autronica panel, Moylish Campus. Fire Drills were completed in Moylish, Clare St., George's Quay, Thurles and Clonmel. Passive fire protection work continued with the completion of the North West Block, Moylish Campus. The ceiling, Boiler House, Clare St. was fitted with fire rated plaster board slabs.

Gas Safety

All gas detection and alarm systems were tested and examined to ensure satisfactory operation. The integrity of all gas pipelines was tested to ensure they are free from leaks.

Emergency shut off switches were installed on all flammable gas lines in all Department of Applied Science Laboratories, Moylish Campus.

Critical Incident Management Plan

The Critical Incident Management Plan, outlining procedures to be followed in the event of a serious incident, is now in place.

Health Screening

Sixty eight staff members availed of the Health Screening initiative which commenced during European Safety Week.

Dignity and Respect Policy

The Institute's Dignity and Respect Policy was updated to reflect guidance from Health and Safety Authority publications.

Training

Staff members attended training on the following topics; Occupational First Aid, Occupational First Aid Refresher, Liquid Nitrogen, Fire Alarm Panel, Lift Rescue, Manual Handling, Wood Working Machines and Leaf Collection Machine.

Radon Gas

A survey to detect the presence of Radon Gas was carried out in all occupied buildings in Limerick. High levels of gas were detected in the Basement, Clare St. Campus. A ventilation system was subsequently installed and the area is being monitored to ensure the gas levels are within acceptable levels.

Electrical Safety

PAT Testing was carried out on two thousand nine hundred appliances, thirty eight were found to be defective. Thermal Imaging of all electrical distribution boards was conducted throughout the Institute. All emergency lighting circuits and fittings were tested in compliance with I.S. 3217:2008.

Water Storage Tanks

All water storage tanks were cleaned and disinfected to ensure the safety of our water systems.

Statutory Testing

Engineers from Royal and Sun Alliance, Insurance Company carried out Statutory Testing on all air compressors, steam irons, passenger lifts, garage equipment, elevating platform and lighting/stage equipment in the Millennium Theatre.

Fall Arrest Equipment

A fall arrest system was provided on the roof George's Quay. Fall arrest systems and associated equipment were tested and examined.



5

HUMAN RESOURCES REPORT

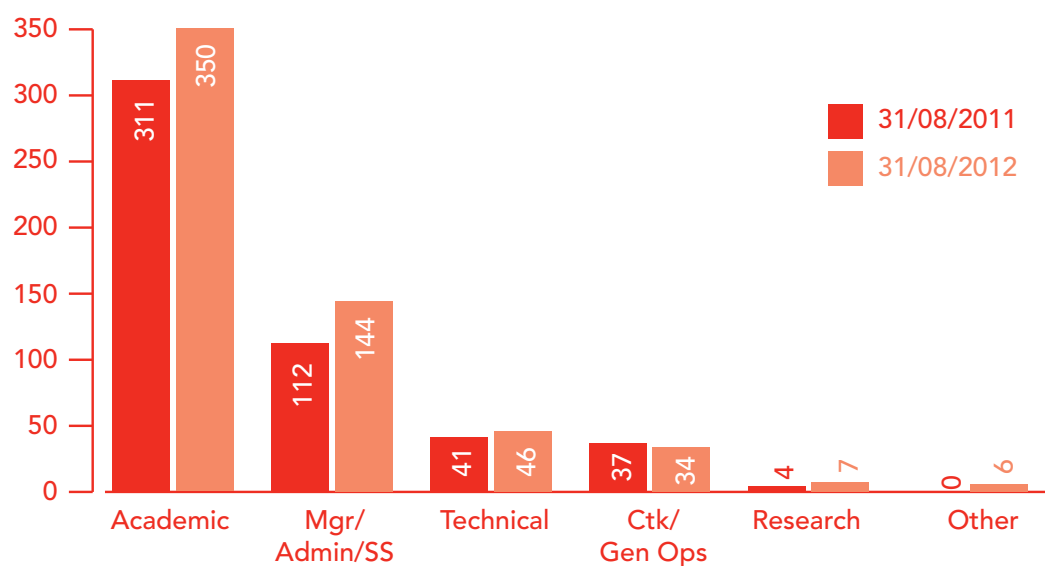
5.1 HUMAN RESOURCES REPORT

ACADEMIC YEAR: 2011/2012

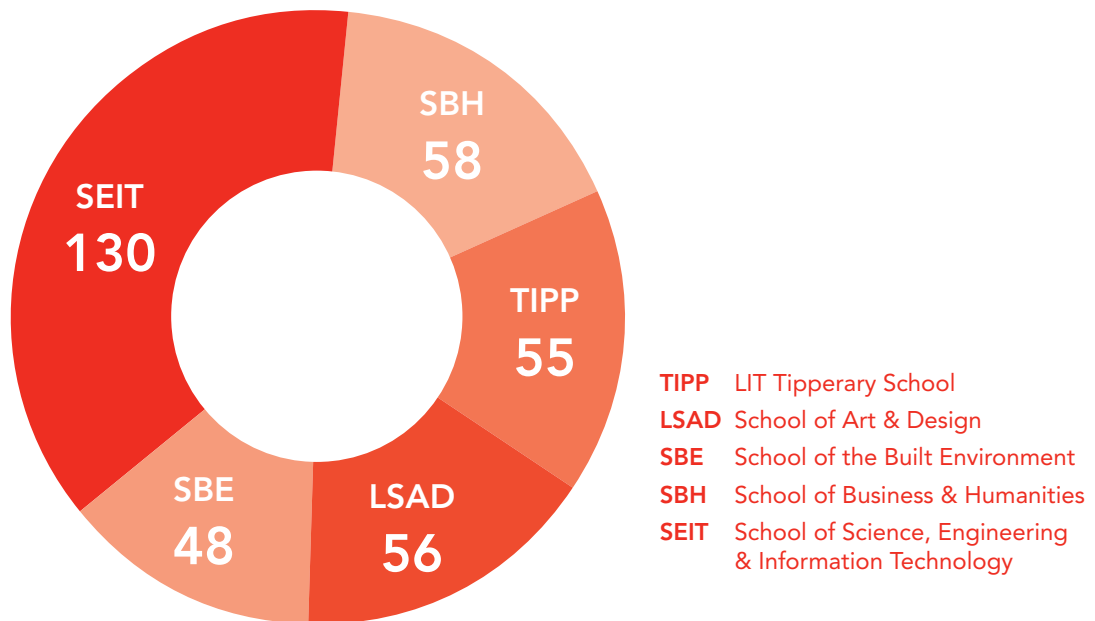
NUMBER OF STAFF BY CATEGORY (headcount figures)		
	As at 31/08/11 (PWT/Pro-Rata/Fixed Term/ CID's/ Non-Academic Part- timers)	As at 31/08/12 (PWT/Pro-Rata/Fixed Term/ CID's/ Non-Academic Part- timers) Including LIT Tipperary School
Academic Staff	311	350
Executive/Senior Management/ Admin/Library/Student Services	112	144
Technical Staff	41	46
Caretakers	16	18
PT General Operatives/Support	21	16
Research Assistants/Post Docs	4	7
Other	0	6

The incorporation of Tipperary Rural and Business Development Limited into Limerick Institute of Technology under the Institutes of Technology Act 2006 came into effect on the 1st September 2011.

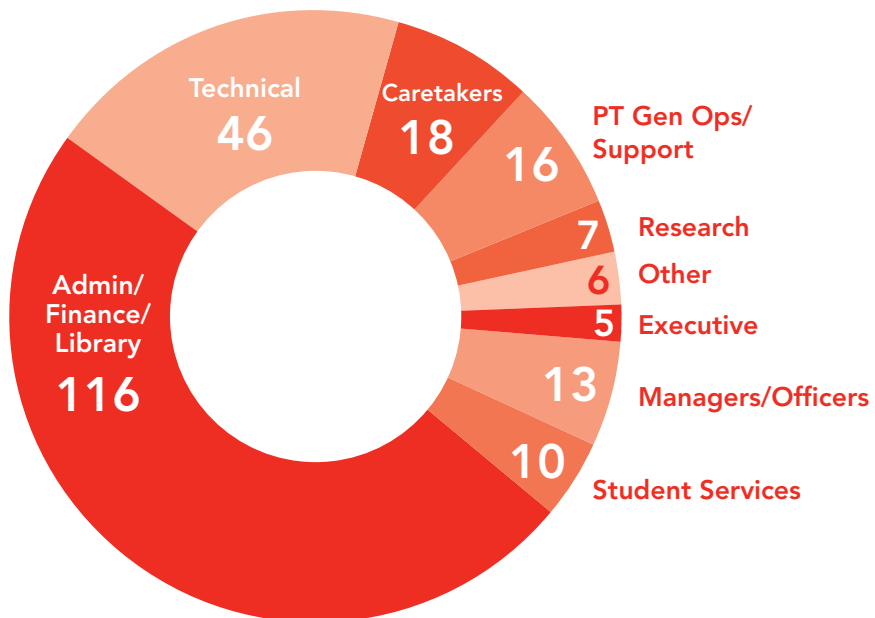
STAFF BY CATEGORY



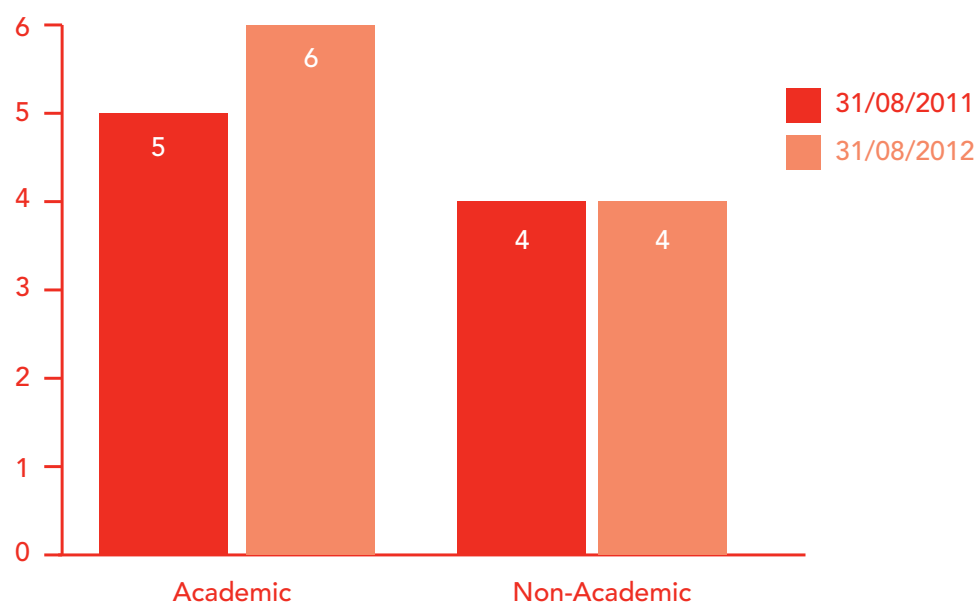
ACADEMIC STAFF BY SCHOOL



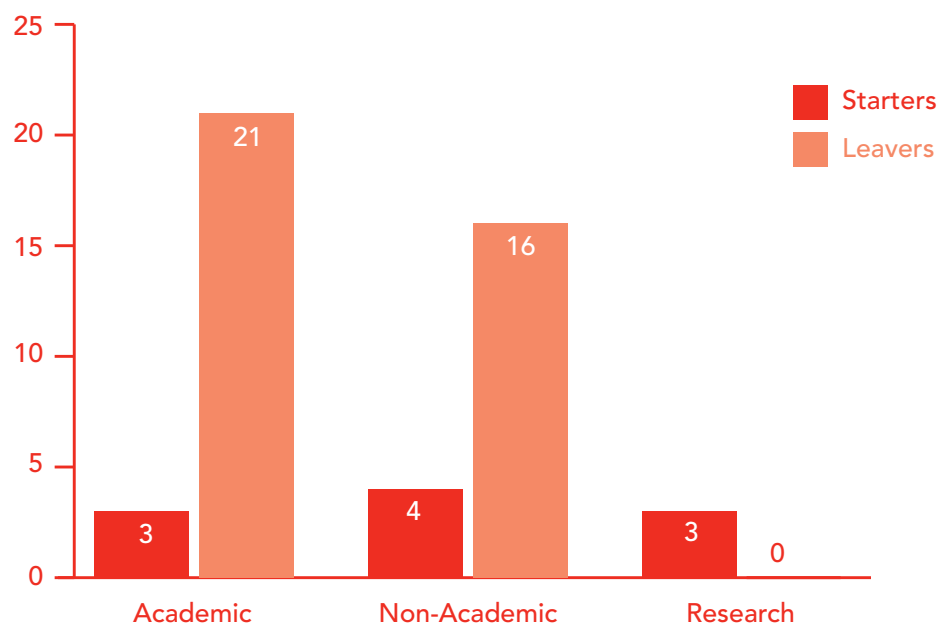
NON-ACADEMIC STAFF BY GRADE



CAREER BREAKS/SECONDMENTS

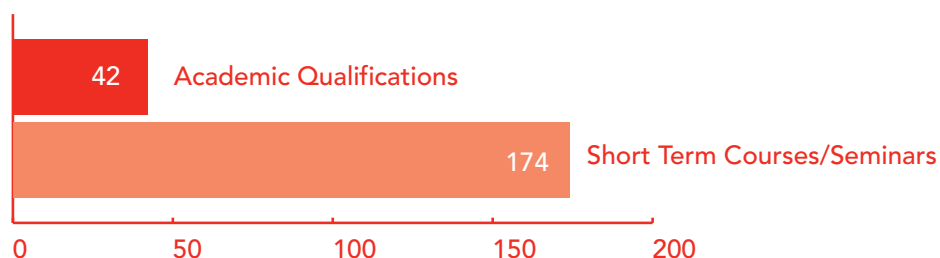


STARTERS AND LEAVERS AS AT 31/08/12

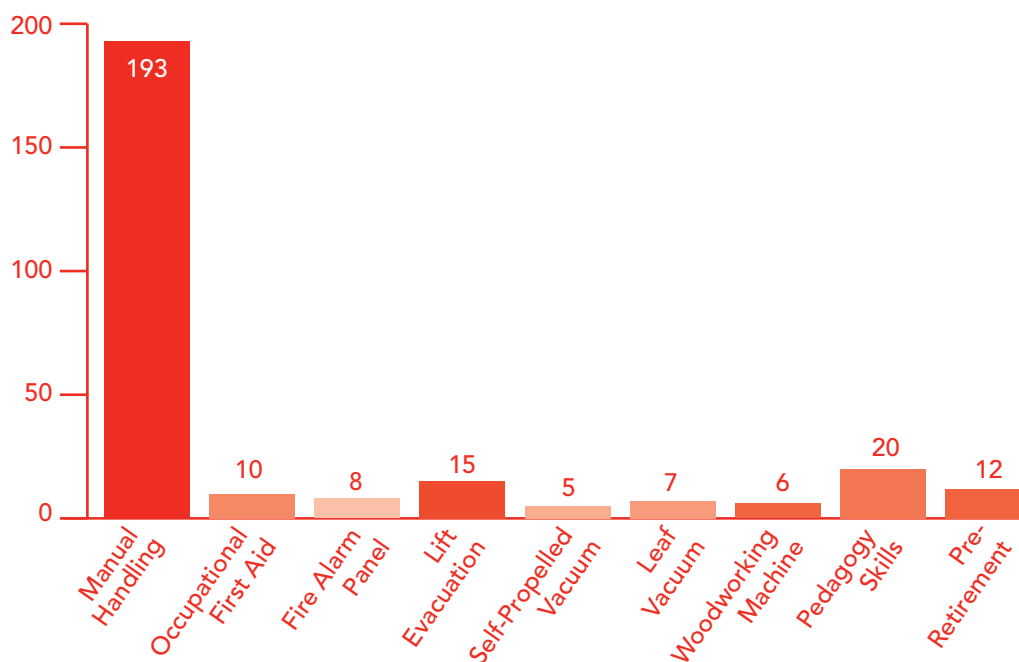


5.2 CONTINUING PROFESSIONAL DEVELOPMENT

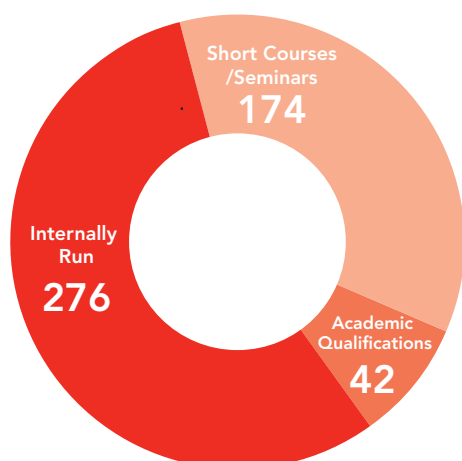
NUMBER OF PLACES FUNDED ON EXTERNALLY PROVIDED COURSES



ATTENDANCE AT INTERNALLY RUN COURSES



CONTINUING PROFESSIONAL DEVELOPMENT OVERVIEW





6

**FINANCIAL
REPORT**

6.1 FINANCIAL REPORT 2011 – 2012.

The Financial Statements for the year ended 31st August 2012 were audited by the Comptroller and Auditor General and were approved without qualification on the 9th July 2013. Extracts from the financial statements are attached.

This year also saw the significant development of the complete integration of the TRBDI Ltd into the LIT financial statements.

The integration of Tipperary Rural Business Development Institute (TRBDI) was completed with an effective date of 1st September 2011. This was the culmination of two years preparatory work by the staff of the two entities. The effect of this integration on the Income & Expenditure account is outlined separately on the face of the Income and Expenditure account overleaf.

In 2010/11 there were transfers of €5.912m of Land & Buildings from TRBDI Ltd and in the current year there were transfers of €338k (being €4.891m at cost less accumulated depreciation of €4.553m). There was a transfer of €3.00m in cash from TRBDI Ltd of which €2.893m is included in the Capital Development Reserve. The transfer was approved by the HEA.

The integration has resulted in significant cost savings and is largely complete at 31st August 2012. As part of the integration process there is an agreement with the Higher Education Authority and the Department of Education & Skills which results in the ring fencing of the TRBDI Ltd grant up to and including 2015. At that point the funding of all of LIT will be based on the new funding model for the IOT Sector.

INCOME AND EXPENDITURE

The Institute brought forward accumulated revenue reserves of €4.263m on 1st September 2011.

These reserves had increased to €3.971m by the end of the period because of an operating surplus for the year of €0.300m (0.572m of which was transferred to the Capital Development Reserve). The core accumulated revenue reserves now stand at €3.971m compared with €4.264m in 2011.

Current income amounted to €55.681m, which included €26.512m for recurrent grants.

Current expenditure amounted to €55.381m, which included €39.063m in staff costs and €13.353m of non pay costs. Annual recurrent cost per student amounted to €9,579 for the year. Recurrent cost per student has continued to be maintained at competitive levels. The progressive implementation of the recurrent grant allocation model is proving to be a continued benefit to LIT.

BALANCE SHEET

The value of tangible assets shows a net decrease of €1.479m from €66.145m to €64.666m by the end of the year.

Additions of €1.147m, and Depreciation of €2.964m account for the change. The main additions were Computer Equipment & Fixtures and Fittings.

PROMPT PAYMENT ACT 1997

The Institute continues to meet its obligations under the Prompt Payment Act 1997.

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31 AUGUST 2012

	NOTE	2012 Continuing Activities	2012 Acquisition of TRBDI	2012	2011
		€000's	€000's	€000's	€000's
INCOME					
State Grant	1	19,494	7,018	26,512	20,285
Tuition Fees	2	15,326	2,505	17,831	15,779
Amortisation of Deferred Capital Grants	15	2,897	67	2,964	2,913
Research Grants and Contracts	3a	3,665	471	4,136	3,387
Strategic Innovation Fund	3b	42	-	42	533
Student Support Funding Income Recognised	4	733	57	790	355
Other Income	5	2,728	3	2,731	3,299
Interest Income		580	95	675	421
		45,465	10,216	55,681	46,972
EXPENDITURE					
Academic Departments	6	24,712	4,753	29,465	24,830
Academic Services	7	2,737	478	3,215	2,383
Facilities Costs	8	5,221	888	6,109	4,564
Central Administration & Services	9	3,487	2,014	5,501	3,384
General Educational Expenses	10	377	11	388	600
Student Services	11	2,443	328	2,771	2,438
Research Grants and Contracts	3a	3,827	309	4,136	3,387
Strategic Innovation Fund	3b	42	-	42	533
Student Support Funding Income Applied	4	726	64	790	355
Depreciation	15	2,897	67	2,964	2,913
		46,469	8,912	55,381	45,387
OPERATING SURPLUS				300	1,585
TRANSFER TO CAPITAL DEVELOPMENT RESERVE				-592	-631
ACCUMULATED SURPLUS AT 1 SEPTEMBER				4,263	3,309
ACCUMULATED SURPLUS AT 31 AUGUST				3,971	4,263

There are no gains or losses other than those recognised above.

The Statement of Accounting Policies, Cash Flow Statement and Notes 1-25 form part of the Financial Statements.

Signed on behalf of the Governing Body

Dr. Maria Hinfelaar, President
Mr. John Clifford, Chairman, Governing Body

BALANCE SHEET

AS AT 31 AUGUST 2012

	NOTE	2012	2011
		€000's	€000's
FIXED ASSETS			
Tangible Assets	15	64,666	66,145
CURRENT ASSETS			
Debtors	16	3,045	4,035
Cash at bank and in hand		19,183	13,469
		22,228	17,504
CURRENT LIABILITIES			
Creditors and Accrued Expenses:			
Amounts falling due			
within one year	17	(10,068)	(8,537)
NET CURRENT ASSETS		12,160	8,967
NET ASSETS		76,826	75,112
REPRESENTED BY:			
Deferred Capital Grants	18	64,666	66,145
Income & Expenditure Account		3,971	4,263
Capital Development Reserve	21	8,189	4,704
		76,826	75,112

The Statement of Accounting Policies, Cashflow Statement and Notes 1-25 form part of the Financial Statements.

Signed on behalf of the Governing Body

Dr. Maria Hinfelaar, President
Mr. John Clifford, Chairman, Governing Body

CASH FLOW STATEMENT

FOR THE YEAR ENDED 31 AUGUST 2012

	NOTE	2012	2011
		€000's	€000's
RECONCILIATION OF OPERATING SURPLUS TO			
NET CASH INFLOW FROM OPERATING ACTIVITIES			
Operating Surplus		300	1,585
Interest Income		(675)	(421)
Depreciation	15	2,964	2,913
Amortisation in line with Asset Depreciation	18	(2,964)	(2,913)
Cash from Tipperary Rural & Business Development Institute		2,893	-
Decrease/(Increase) in Debtors		990	(620)
Increase in Creditors		1,531	1,658
Net Cash Inflow from Operating Activities		5,039	2,202
CASH FLOW STATEMENT			
Net Cash Inflow from Operating Activities		5,039	2,202
Interest Received		675	421
CAPITAL EXPENDITURE			
Payments to Acquire Fixed Assets		(1,147)	(775)
Net Cash Outflow for Capital Expenditure		(1,147)	(775)
FINANCING			
State Capital Grants spent on Fixed Assets		-	(168)
State Recurrent Grants spent on Fixed Assets		865	472
Other Funds spent on Fixed Assets		282	270
Net Cash Inflow from Financing		1,147	574
Increase in Cash		5,714	2,422
RECONCILIATION OF NET CASH FLOW TO			
MOVEMENT IN NET FUNDS			
Increase in Cash		5,714	2,422
Opening Net Funds		13,469	11,047
Net Funds at 31 August		19,183	13,469

The Statement of Accounting Policies, Cashflow Statement and Notes 1-25 form part of the Financial Statements.

Signed on behalf of the Governing Body

Dr. Maria Hinfelaar, President
Mr. John Clifford, Chairman, Governing Body



7

**EQUAL
OPPORTUNITIES
REPORT**

7.1 EQUAL OPPORTUNITIES POLICY (CURRENTLY UNDER REVIEW)

POLICY STATEMENT

LIT is an Equal Opportunity Employer. LIT is committed to providing equal opportunities in education, employment and training. The Institute rejects any direct or indirect discrimination under the following nine grounds: gender, marital status, family status, sexual orientation, religion, age, disability, race, membership of the Traveller community. No course applicant, student, job applicant or staff member will receive less favourable treatment on the grounds listed above. All decision to do with recruitment, training, promotion, career development and conditions of service will be based solely on suitability.

AIMS AND OBJECTIVES

LIT is committed to creating an awareness of the need for non discriminatory attitudes. The purpose of the Equal Opportunities Policy is to state clearly LIT's commitment to equality of opportunity. It is recognised that it is crucial that the LIT staff and student body endorse non-discriminatory attitudes.

The objectives of the policy are to ensure that LIT does not discriminate against any student, staff member or applicant for education/employment in relation to:-

- Access to Education
- Access to Employment or Promotion
- Advertising of Vacancies
- Recruitment and Selection
- Conditions of Employment
- Training and Development



8

**NEWS &
EVENTS**

LAUNCH OF NEW SCHOOL AT LIT

Dr Maria Hinfelaar, President of Limerick Institute of Technology (LIT) formally launched LIT's new school, LIT Tipperary, at her annual staff address on the 1st September in LIT's Millennium Theatre. From September 2011, Tipperary Institute has become part of Limerick Institute of Technology as a fifth school and been renamed LIT Tipperary.

The incorporation of Tipperary Institute has allowed LIT to expand as a multi campus Institute adding an additional two campuses in Thurles and Clonmel, which currently have 800 students between them with capacity to develop to 1500 students. Marking the integration at a gathering of over 400 staff from across all the LIT campuses throughout Limerick and Tipperary, Dr. Hinfelaar complimented staff on their achievement in making the integration work already. This integration is the first such move since the publication of the new national strategy for higher education and was strongly supported by the Department of Education and Skills (DES) and the Higher Education Authority (HEA).

Mr. Tom Boland, Chief Executive of the HEA, attended the launch of the new LIT and stated that LIT did well to be "first out of the starting blocks" in taking the Tipperary campuses into its remit. He emphasised that far more collaboration up to and including mergers would be needed in the 3rd level sector and that LIT was leading by example. Mr. Boland said: "We now need to transform Irish higher education from a set of institutions operating in isolation into a coherent, well-coordinated system of education and research. Institutes of Technology and universities should avoid playing catch-all – this is a formula for blandness and dissipation of energy and resources, and ultimately will not be funded. They should instead seek out niches where they already have strength and develop these."

Mr. Kevin McCarthy, a senior official with the DES also addressed the gathering stating, "Mergers are difficult and take a long time to bed down... we don't have all the answers in government circles and I am sure you will come across further issues to be resolved as the integration is fully implemented."

Total CAO applications to the enlarged LIT are well up on previous years, as feeder schools throughout the region responded positively to the changes and the wider range of programmes on offer. Speaking at the launch Dr Hinfelaar said: "The highest point

courses on the CAO were the Pharmaceutical and Forensics degree (in Limerick) and the Sports Strength and Conditioning degree (in Thurles). But Art and Design also performed as strongly as ever. Across all our campuses, we will be welcoming up to 1700 new first-year students."



Photo shows (from l to r) Mr. John Clifford, Chairman LIT Governing Body, Dr. Maria Hinfelaar, President LIT, Mr. Tom Boland, CEO, Higher Education Authority, Mr. Kevin McCarthy, Dept. of Education and Science pictured at LIT to launch LIT's new school, LIT Tipperary.

AIB SUPPORTING INITIATIVES AT LIMERICK INSTITUTE OF TECHNOLOGY

AIB has announced a number of sponsorships at Limerick Institute of Technology. AIB is to sponsor the 'Assistive Technology Centre' at LIT, which is a new initiative developed with funding provided by AIB. The Assistive Technology Centre features leading technology and a bespoke setting which will augment teaching, research and learning for students with physical disabilities.

Mr. Pádraic Hayes, a Higher Diploma in Business Management student at LIT who has a physical disability, notes that priority access is an important feature of the facility: "There are so many students who need to use computers on campus, and when you have a disability you cannot get to the computer as quickly as an able-bodied person when one becomes free. Booking in advance eliminates this problem."

LIT and AIB have also worked together to provide support for other initiatives that assist with student development and future success such as:

- Sponsorship of the Limerick School of Art & Design (LSAD) annual fashion awards including a bursary of €2,500 for the winner to support

- their future career development
- Sponsorship of the LEAP programme (Limerick Enterprise Acceleration Programme) - working also with the National Franchise Centre
- Provision of onsite campus bank allowing convenient access to range of AIB products and banking services for students

Mark Fitzharris, Regional Director, AIB, said: "We are always looking for meaningful ways to support customers in our local community and this extends to our local college where vital groundwork is laid for the future of our young people. Limerick Institute of Technology has been superb to work with and we are delighted to be a sponsor across this range of initiatives. We are particularly pleased that we have a branch located on campus to offer advice and service the banking needs of our customers."

Dr Maria Hinfelaar, President of LIT said, "LIT is delighted to enter into this expanded agreement with AIB as it represents a positive commitment from both organisations to work together to develop new and mutually beneficial initiatives, one example being the AIB Assistive Technology Lab. LIT has a significant cohort of students with special needs and this new facility is one of several measures we have taken to accommodate them so they can fulfil their potential."



Pictured at the launch of LIT Assistive Technology Centre (L to R) are; Dr. Maria Hinfelaar, President of LIT, Ms. Linda Barry, Academic Administration and Student Affairs Manager, LIT, Mr. Mark Fitzharris, AIB Midwest Regional Director, LIT Student Mr. Pauric Hayes

LIMERICK PRIMARY SCHOOL PUPILS IN LIT FOR SCIENCE WEEK. BORD GÁIS NETWORKS AND JUNIOR ACHIEVEMENT IRELAND NURTURE YOUNG INTEREST IN SCIENCE IN LIMERICK

Sixth class primary pupils from Limerick experienced first-hand how the world of science relates to everyday life when they participated in science workshops at Limerick Institute of Technology (LIT). The pupils were participating in the Bord Gáis Networks Science Forward Programme, developed in partnership with Junior Achievement Ireland. The programme aims to stimulate interest in science through hands-on experiments and workshops hosted at a third level institute and encourages students from sixth class primary schools to consider science when making subject choices in post-primary school.

Around 160 students from five local primary schools attended the two day course hosted by LIT. Trained volunteers led groups of students through scientific workshops and experiments and explained how these relate to everyday life. Topics included energy in motion through the development of mini-hovercrafts, analysing fingerprints and learning how the human brain functions. Students from Corpus Christi N.S., Moyross, St. Mary's Girls N.S., Bishop Street, Our Lady Queen of Peace, Janesboro, Our Lady of Lourdes, Rosbrien, St. Joseph's N.S., Rathkeale, and St. Anne's N.S., Rathkeale participated in the programme.

Science Forward introduces science to pupils in a very practical but entertaining and interactive way. Launched in Cork earlier this year, the programme arrives in Limerick following its success in Dublin and Galway. The programme is delivered to sixth class primary students attending schools participating in the DEIS initiative (Delivering Equality of Opportunity to Schools). Without an early introduction to science, students may be less likely to choose science in post-primary level education. This could impact on their Leaving Cert subject choices, third level course choices and ultimately on their career path.

LSAD IN TOP 50 FASHION COLLEGES WORLDWIDE

The LIT School of Art and Design Fashion department has been named as one of the top 50 fashion colleges worldwide in an independent US guide which identified the top 50 International fashion programs and schools. In a list which includes Fashion Colleges in London, New York and Paris, the Limerick School of Art and Design (LSAD) Fashion department is the only Irish college to be included.

The school has a long history of student success in prestigious national and international awards including the Smirnoff Fashion Awards, the Persil Fashion Awards, the Nokia Fashion Awards, the Mittelmoda Award, the Institute of Designers in Ireland Graduate Design Awards, the Golded Egg Awards, and the RDS Crafts Competition. LSAD graduates, noted for their talent and creativity have gone onto illustrious careers in the international fashion industry – graduates include fashion designers Joanne Hynes, Una Burke, Tim Ryan, Natalie B. Coleman, Sorcha O'Raghallaigh, Miriam Mone, Elaine Curtis and Merle O'Grady, whose combined client list reads like a Who's Who of the rich and famous – it includes clients Lady Gaga, Beyonce, Jessie J., Rihanna and Cheryl Cole.

As the oldest of the five Schools at LIT, LSAD first opened its doors in 1852. With its first fashion programme introduced in 1974, the School has since built up a prolific reputation in the fashion industry, nationally and internationally. A key to the School's success has been that all incoming undergraduate students at LSAD share a common first year thus allowing them to find their artistic niche. Entry to the Fashion Design Programme is by competition and selection during this year. With a dedicated and highly qualified academic staff the LSAD curriculum is continuously evolving, keeping pace with emerging trends and technology.

Commenting on the success of the Fashion Department Ms. Tracy Fahey, Head of Department of Art and Design said, "Fashion graduates from LSAD are uniquely placed due to their experience here which includes a strong pedagogical approach to all aspects of fashion from conceptual design to the practicalities of execution, and of course, our excellent work placement programme, where students take the opportunity to work in major fashion houses such as Vivienne Westwood, Alexander McQueen, Philip Treacy, Marc Jacobs, Gareth Pugh and Marchesa. We are delighted to see this latest recognition of the hard work and talent of our students and staff."

Dr Maria Hinfelaar, President of LIT said, "we are all really proud to see our Fashion Design programme feature uniquely as the only Irish college on this global league table. It is richly deserved. I can't wait to see the latest creations at the upcoming degree show on 17th May!"



DIGITAL GAMES DEVELOPMENT MARATHON LIT-TIPPERARY

Tipperary has a long history associated with the digital games industry. Prior to the invention of home consoles, Ireland - from a base in Tipperary, was Europe's foremost manufacturer of arcade machines, producing gaming cabinets for Atari Inc. The arcades machines of the seventies were a favoured pastime of the very first gaming generation. Iconic games such as Asteroids are an example of the many classics manufactured and distributed from Ireland.

Games Design and Development students from LIT-Tipperary are collaborating this weekend with students from University of Limerick and IT Carlow, to devise and develop digital games based on specific theme. During this 48 hour game development marathon weekend, innovative games are being produced and shared with designers worldwide via the Global Game Jam network. LIT-Tipperary's Thurles campus is host to Ireland's Global Game Jam site. Daniel Keohan a student at UL, and attending his first GGJ said "this has been an excellent opportunity to collaborate with peers in higher education in the area I hope to start a career in". Participants are working parallel with game designers located in cities such as Bangkok, Moscow and New-York. All sites are developing games based on a common theme which in 2012 is 'Ouroboros', an ancient symbol depicting a serpent or dragon eating its own tail. Building games to tight deadlines results in innovative and fun gameplay and inspired by a broad theme. Sean Farrell, who also attends UL said, "In 48 hours I learned numerous new skills that I'll use daily from now on".

Students from all over Ireland take part in the marathon which is an excellent way of allowing them to apply their design skills and create innovation digital games in a practical way. This annual event has been hosted in LIT-Tipperary over the past four years involving 100's of designers and developers, all of whom are keenly interested in developing their skills to support this important entertainment industry. Student of Games Design at LIT-Tipperary David Larkin said "Global Game Jam and Games Fleadh are the main portfolio events in Ireland for aspiring game developers". Head of School LIT Tipperary, Colin Mclean, said "We are proud to host this event in which students form a number

of Institutions are involved in producing real life products. The skills that they learn will benefit both them and the companies in Ireland that they will go on and work for."

Many of the games are based on Windows Phone 7 and will be available to gamers to download from Global Game Jam from Sunday 29th January onwards. The games will be released just before Nokia's lastest smartphone devices, based on Windows Phone 7 are launched in Ireland. Games created as part of the jam will be exhibited to the public during Games Fleadh:Expo on 15th March. For further information in relating to Global Game Jam or Games Fleadh please visit <http://www.gamesfleadh.ie>.



Photo shows: Cormac O Conner (LIT Tipperary) holding the microphone surrounded by (from l to r) James Patton, Mallow College, Daire O'Mahony, LIT Tipperary, Karolis Pekus, LIT Tipperary, Stephen O'Sullivan, UL, Daniel Keoghan, UL

LIT CONSTRUCTION STUDENT PLANS TO BUILD ON HIS EDUCATION

The downturn in the economy has had significant impact on those working in almost every sector; the Construction sector however has been one of the hardest hit.

Trade apprentices are finding it almost impossible to fulfil the work based blocks that are a requirement for them to qualify. It's not all doom and gloom however with many apprentices choosing to return to education.

John Hennessy from Emly in County Tipperary is a first year student of Construction Practice at LIT, "I studied Wood Technology and Construction Studies

at John the Baptist Community School at Hospital Co. Limerick, I was very interested in these subjects, as I learned how the basics of woodworking and construction studies can be applied to the solution of more complex problems. Having enjoyed studying the practical subjects at school I decided that I would do an apprenticeship in carpentry after my Leaving Cert. I got an apprenticeship with a joinery firm, making and installing fitted kitchens and furniture. I completed phase 1 and 2 of my apprenticeship and was enjoying it when I was made redundant due to the down turn in the economy. I tried unsuccessfully to get another employer in order to finish my apprenticeship.

After some time I saw an interesting new course advertised on the LIT web site. This course appealed to me as it combined practical and theoretical aspects of construction studies. I decided that I would try to get my career back on track and I applied to do the Construction Practice course in LIT. My application was successful, and so far I'm delighted with it and I feel it was definitely the right choice for me, the fact that it is a 2 year course with a lot of time in the workshops was a major factor in my decision to apply."

Mr. Michael Beasley, Lecturer in the Built Environment spoke about the benefits of upskilling, "Nowadays, more than ever, a positive attitude to upskilling is a prerequisite for a rewarding and satisfying career. Education and training programmes undertaken whether full-time or part-time, formal or informal should not be viewed as discrete entities but rather as part of an on-going, continual process of development. The bottom line is that upskilling sends a positive message to employers and increases your employment prospects. Upskilling will also enhance your CV and may also open up new career opportunities."

After he finishes his Level 6 John hopes to continue at LIT, "After I finish this course I would like to go on to do a related level 7 construction course in LIT, preferably Site Management"

IT GRADUATES FROM LIT IN GREAT DEMAND

The total number of technology jobs advertised online increased in the fourth quarter of 2011 according to the Irishjobs.ie Jobs Index. The index found that in total, the number of jobs across all

industries advertised during this quarter was down from the previous one, but the number of jobs in IT increased. This is good news for IT graduates around the country and in particular at LIT.

LIT recently announced the creation of 20 jobs at translation company CETRA and this week a further 17 jobs were announced at Averian Energy Solutions. Both companies are based at the LIT Hartnett Enterprise Acceleration Centre. Averian provides software products and solutions focused on the renewable sector. Company CEO Colin Rogan confirmed that a proportion of these new positions will be offered to LIT graduates, "We have worked with LIT for software developers before, so we would look at students coming out of here. We would hope to at least get a software developer and business analyst who has graduated from LIT."

But LIT graduates are already reaping the benefits of their IT qualifications. Dominique Mangoubi, originally from the Congo and now living in Dublin successfully completed his BSc in Computer Networks and Systems Management in 2011 at LIT. While studying for his degree at LIT, Dominique also succeeded in gaining the highly regarded Cisco CCNA certification. Dominique who now works as a Network Engineer at RTE Network says that the combination of his degree and Cisco certificate made him highly sought after in the jobs market, "Even though I have a Computer Network degree, the CCNA has been a big boost to help me to get a Network Engineer job. My lecturers in LIT were a great help during my CCNA preparation."

Ms. Janice O' Connell, Head of Department of Information Technology at LIT highlighted the importance of producing IT graduates to feed into the Smart Economy, "A constant supply of quality IT graduates is a necessity for businesses generally, however more significantly for software development companies and IT services organisations. IT graduates play a critical role in these organisations in terms of innovation, growth, creativity and job creation through knowledge spillovers. There is no doubt that the long term growth and development of the Smart Economy will rely heavily on, and demand increasing levels of, IT graduates".

KIDS FLOCK TO LIT TIPPERARY SCHOOL FOR CODING CLUB

A new computing club (CoderDojo) for kids started in LIT Tipperary has been a phenomenal success with up to 100 students from primary and secondary school students coming to the LIT Thurles Campus every Thursday afternoon. The first event was held on the 15th March 2012 and was launched by the founder of CoderDojo, James Welton. CoderDojo has now spread throughout Ireland and the world.

The Tipperary CoderDojo is run by volunteers and the young attendees have the opportunity to learn how to code, develop websites, mobile applications, programs, games and more. This first term the focus has been on website development through HTML, CSS and JavaScript with the older group, and games development and basic coding through Scratch with the younger group. With the ever increasing demand for ICT graduates and the increased exposure to digital media and systems young people are hungry for knowledge and information in the area. The parents can also observe and become familiar with the world of computing and coding.

Jacqueline Humphries, Lecturer in the LIT Tipperary Technology, Media and Science Department was involved in starting the CoderDojo movement in Tipperary. She noted, "The fact that we are getting so many kids coming back every week for more is great to see. CoderDojo clubs provide an opportunity for young people to experiment and learn from their peers and from experts in the industry in a fun and interactive way. I am thrilled with the response from mentors also, with eleven experts volunteering their time to sign up to the project. We have also been greatly supported by our own LIT Tipperary students who are turning up week on week to help out."

Mr. Seamus Hoyne, Acting Head of Department in LIT Tipperary highlighted the benefits of CoderDojo, "More and more young people are experimenting with programming, coding and developing applications at home or at school. CoderDojo gives us an opportunity to facilitate this learning and expose them to some of the things that are going on here. Our range of computing programmes cover multi-media, games, software development, IT systems and smart energy systems so just by being in a facility that has experience in these areas is of benefit to them".

LIT HOSTS PARALYMPIC SPORTS EVENT

Limerick Institute of Technology (LIT) and Limerick City & County Sports Partnerships joined forces to run a Boccia Classic, in LIT. Boccia is a target ball sport belonging to the same family as bowls and is a Paralympic sport for athletes with severe disabilities affecting motor skills.

The tournament was organised and coordinated by first year students from the BA in Business Studies with Sports Management course, with the guidance of Rosemary Ryan from Limerick City Sports Partnership. Participating teams came from across the city and county including Rathfredagh Cheshire Homes in Newcastle West, Brothers of Charity in Clonmore, Blackberry Park and Bawnmore and HSE Training Services in Dooradoyle.

Speaking about the success of the tournament Dr. Catriona Murphy, Head of the Department of Humanities in LIT said: "Through this competition, over 40 competitors and coaches, from 5 services across the City and County, came together to enjoy a fun filled day. Our students proved themselves to be very competent in organising and delivering the event, under the mentorship of Rosemary Ryan from the Sports Partnership. LIT has worked closely with the Limerick Sports Partnerships for some time, discussing methods to develop a mentor programme for students. Many of those discussions are now bearing fruit, such as this Boccia tournament".

Rosemary Ryan from the Sports Partnerships commented that "In developing student's capacity to deliver such an event, we are developing potential leaders of the future and hope that many more events, such as this can take place, as a partnership between Limerick Sports Partnerships and LIT."

Dermot Maleney, course director for the BA in Business Studies with Sports Management said, "In keeping with LIT's educational philosophy of Active Learning through a theory of fusion and practice events such as the Boccia classic are an integral part of the Sports Management programme. Organising and coordinating an event like this will help to create future leaders in the sports industry, thus ensuring that Limerick remains a City of Sport for many years to come".



From left to right: Dermot Maleney (LIT), Nicki Markham and Willy Mc Auliffe (athletics), Dr. Catriona Murphy (LIT), Grainne Joyce (athlete) and Rosemarie Ryan from the Limerick City Sports Partnership

NEW LIMERICK CHAMBER PRESIDENT ANNOUNCES BICENTENNIAL RESEARCH SCHOLARSHIPS PROGRAMME IN COLLABORATION WITH LIT

In one of his first acts as the new Limerick Chamber of Commerce (LCC) President, Gordon Kearney has announced a new Bicentennial Scholarship Programme in collaboration with Limerick Institute of Technology (LIT) which will build on the two organisations existing relationship of cooperation and collaboration.

The Bicentennial Scholarship Programme is a collaborative Masters Degree programme by research which will be open to all graduates with a relevant business qualification and will cover full tuition fees and a stipend for a two year Masters programme at LIT. Initially two scholarships will be available and the successful applicants will work on two bespoke research projects developed collaboratively by LIT and LCC which will be directly relevant to the work of the Limerick Chamber. The completion of these projects will coincide with the 200th Anniversary of the founding of Limerick Chamber.

The scholarship programmes will be practice based with the Postgraduate Student located at LCC who will provide the student with supervision, access to premises, facilities, equipment, supplies and resources as required for the fulfilment of the Masters Programme with LIT providing academic and financial support.

Speaking about the Scholarship Programme LCC President Gordon Kearney said, "The Scholarship Programme will allow the Chamber to research potential areas for enterprise development and clustering in Limerick City Centre. This invaluable research will support our efforts to make Limerick and the Mid West region the place to do business".

LIT, who recently announced its intention to apply for Technological University status along with CIT and IT Tralee, has been steadily growing its Postgraduate student numbers in recent years and is currently coordinating research projects funded by the EU. Dr. Siobhan Moane, Head of Research and Technology Transfer at LIT welcomed the Scholarship Programme, "The practice-based nature of these programmes will ensure that the research addresses the needs of Limerick Chamber and that the knowledge derived from the research will be disseminated and translated to their clients to achieve the maximum impact on our region".



From l to r: Marian Duggan, LIT, Martina McGrath, Limerick Chamber. Maria Hinfelaar, LIT, Gordon Kearney, Limerick Chamber, Siobhan Moane, LIT, Donnacha McNamara LIT.

NASA ASTRONAUT SHANE KIMBROUGH VISITS LIT

NASA astronaut LT Col. Shane Kimbrough poses for a photo with LIT postgraduates prior to addressing staff and students at the Millennium theatre at LIT on Tuesday, 4th October. LT. Colonel Kimbrough's presentation focused on his 16 day space mission on STS- 126 Endeavour. During the mission Kimbrough performed two space walks logging a total of 12 hours and 52 minutes. STS-126 Endeavour returned to Earth after completing 250 orbits in over 6 million miles. LT. Col. Shane Kimbrough is in Ireland for a 3-day visit organised by the Embassy of the United States in Ireland. Prior to his presentation Col Kimbrough was given a tour of the new Controlled Environment

Laboratory for Life Sciences (CELLS) Unit at LIT by LIT President Dr Maria Hinfelaar and staff at the Department of Applied Science Department.

During his visit to LIT, astronaut Shane met five LIT postgraduate students who had spent 6 months at the Kennedy Space Life Science Centre at Florida in 2008 and had watched Shane's shuttle launch on the space shuttle "Endeavour".

LIT postgraduate student Aisling Flanagan, who showed LT Col Kimbrough her research into sphagnum moss said, "In 2008 while on an internship at the Kennedy Space Life Science Centre in Florida I was lucky enough to get to watch the Endeavour shuttle launch. To meet one of the astronauts from that same shuttle is unbelievable."

LIT has strong links with NASA, LIT postgraduate student Ger Newsham hit the headlines when his project was carried on the last space shuttle flight Atlantis in July and 3 of LIT's graduates started a 6 month internship at the Kennedy Space Life Science Centre in Florida on October 1st.



Astronaut LT Col Shane Kimbrough visiting the CELLS research lab at LIT pictured with students (from l to r): Aisling Flanagan, Lisa Connolle, Peter Downey, Tony Skerritt, Catriona O'Keeffe

LIT'S SCHOOL OF ROCK HOSTS INAUGURAL LIT MUSIC FESTIVAL MAY 3RD 2012

LIT celebrates music on Thursday May 3rd with the inaugural LIT Music Festival, hosted and run by staff and students of the Music Technology Programmes. Designed to showcase the best of upcoming LIT student talent, this one day event will feature 6 bands performing throughout the day, with a number of different DJs performing under the Macronite collective banner.

The LIT House Band will perform Terry Riley's seminal minimalist piece 'In C' as well as a set showcasing the talent of Sarah Thompson, winner of this year's LIT Star competition.

Spud (aka Robert Murphy) also a winner in the LIT Star competition and Neev Kennedy, winner of last year's YouBloom song contest will provide some new singer/songwriter fare and local bands Ergot Fire, Leading Armies and Animal Bits will be there to rock it up.

In addition to hearing local up and coming talent, attendees will get an insight into how the music industry works with a panel discussion on "Music and Copyright" attended by representatives from IMRO, IRMA, and RAAP. The festival will also feature the first public playing of Music Technology student albums, which are written, recorded and produced as part of their course. Student tracks and installations will be on display in the foyer of the Millennium theatre throughout the day.

Speaking about the festival Donagh O' Shea, programme leader for the Music Production Programme said, "This music festival will be the first of many we hope at LIT. It's a great opportunity for students to perform their work, listen to industry insiders and showcase their recorded albums. We really wanted to emphasise the link between the LIT Music Production courses and the wider Limerick Music Community, regional and national names in the music industry will be in attendance. This event is designed to cement the reputation of the Music Technology Department, often referred to as the LIT School of Rock, in Limerick as a leading provider in Music Technology education at third level."

The LIT Music Festival will take place on the 3rd May from 10am – 7pm. It is open to the public and entry is free.

NATIONAL FRANCHISE CENTRE FEATURES ON RTE'S 'THE BUSINESS' PROGRAMME

The National Franchise Centre (NFC), an initiative established by Limerick Institute of Technology (LIT) and the Limerick Chamber of Commerce, featured this week on RTE's 'The Business' programme. Presented by George Lee 'The Business' identifies initiatives around the country which are focused on job creation and new enterprise in particular unique creative "outside the box" ideas that help the economy towards recovery.

Featured on the programme were Limerick Chamber President Kieran MacSweeney and two FAST graduates. The Franchise Accelerated Start-up Training (FAST), programme is run at the National Franchise Centre (NFC) and helps individuals who wish to start their own business. Now in its second cycle, FAST has created up to 20 businesses already who collectively forecast 50 jobs over 3 years. There are 23 people on the second cycle who will be starting their businesses by June 2012. Two FAST success stories were featured on The Business, Edel Waters spoke about her franchise Health Reach and Brian Ambrose outlined his business, The Munster Tool Company. As part of Health Reach, Edel runs classes in both Limerick and Clare which focus on health awareness and implementing changes that lead to increased energy levels, weight loss and a more productive lifestyle. The Munster Tool Company operates a tool distribution franchise supplying high quality products to garages in the Mid-West, delivered in a timely fashion.

Speaking about the RTE programme Limerick Chamber President Kieran MacSweeney advised that the response had been overwhelming. "Within the first two hours of opening the day after the programme aired, we were inundated with enquiries from people who want to avail of NFC services". Kieran added that "the NFC is a realistic and practical approach to job creation and enterprise development; we are constantly thinking outside the box and looking at practical ways to support business start-ups. The team at the centre engage with the franchise community regularly, providing reciprocal dialogue and feedback".

Commenting on the success of the FAST programme Dr Maria Hinfelaar, President of LIT said, "The FAST programme is just one of a number of initiatives

that are offered at LIT through the LIT Enterprise Ladder. LIT's Enterprise ladder is a unique solution for start up and early stage companies who require a level of supporting expertise to ensure their next and subsequent steps are the right ones. The FAST programmes success to date is testament to the impact that third level institutions and the business community can make in regenerating the Irish economy if we work together."



Mr Kieran MacSweeney, Limerick Chamber President and Dr. Maria Hinfelaar, LIT President pictured at the launch of the National Franchise Centre last year.

MINISTER BRIAN HAYES OPENS SHANNON ABC CONFERENCE

Minister of State at the Department of Public Expenditure and Reform said that the Government is intent on raising awareness of the importance of career opportunities in the Science, Technology and Engineering sectors. The Minister made the comments at the **Shannon ABC Open Innovation** conference held at LIT last week. Speaking at the conference the Minister said, "Ireland is now in the top 20 countries in overall scientific global rankings and we are excelling in a range of key life science and biotech disciplines such as immunology, nanotechnology, materials science, genetics and genomics. Right across Government, there exists a real appreciation of the importance of continuing investment in STI, including awareness of the career opportunities in pursuing studies in Science, Technology, Engineering and Maths.

Minister Brian Hayes was the opening speaker at **Shannon ABC Open Innovation Conference** held in LIT. Shannon Applied Biotechnology Centre (Shannon ABC) is a research, development and innovation centre based in Munster. The theme of

the conference, "Open Innovation", is a concept that assumes that firms can and should use external as well as internal ideas and paths to market, as the firms look to advance their technology. Shannon ABC is a collaborative response by Limerick Institute of Technology (LIT) and the Institute of Technology, Tralee (ITT) to the needs of industry and is core funded by Enterprise Ireland.

Prior to the conference Minister Hayes was given a tour of the LIT research facilities by LIT President Dr. Maria Hinfelaar, IT Tralee President Dr Oliver Murphy, and Shannon ABC Centre Manager Dr. Tim Yeomans.

In her address to the conference President of LIT Dr. Maria Hinfelaar highlighted the importance of research being industry relevant, "LIT, together with CIT and IT Tralee, recently announced our intention to seek Technological University status and become redesignated as the Munster Technological University. The Government's Action Plan for Jobs launched recently focused on the key role research and innovation will play in securing new jobs. One of the key outcomes which the Plan aims to secure through the State's innovation system is the prioritisation of research funding across areas of credible employment opportunity for Ireland and this is very much in line with the criteria for the establishment of technological universities. As an applied research enhancement centre in a joint venture between LIT and IT Tralee, has been providing industry relevant biotechnology services since 2007."

In his speech Minister Brian Hayes praised the Shannon ABC initiative saying, "We want a science and innovation base that is well connected to the enterprise sector through collaborations and partnerships, and we want Ireland to have a reputation nationally and internationally as a location where enterprise and academia work well together, open innovation models work, and companies that compete globally can find that space where collaboration with one another and with Ireland's science base makes best sense. Shannon ABC is an excellent example of what can be achieved through this type of collaborative support and open innovation"



Photo shows from L to R: Minister Brian Hayes, IT Tralee President Dr Oliver Murphy, LIT President Dr. Maria Hinfelaar and Dr. Tim Yeomans, Shannon ABC Centre Manager. Photo shows Minister Hayes in the CELLS Shannon ABC facility at LIT where green algae is cultivated for the production of astaxanthin - the natural flesh pigment of salmon - for the fish industry.

LIMERICK TO SEE AN INFLUX OF CANADIAN STUDENTS FOLLOWING AGREEMENT BETWEEN LIT AND CANADIAN COLLEGES

Limerick may well see an influx of Canadian students following an agreement signed by LIT with Canadian Colleges. President of LIT Dr Maria Hinfelaar, travelling as part of a delegation from the Institutes of Technology Ireland (IOTI), signed a unique agreement in Toronto recently which will see up to 1000 Canadian students from Ontario Colleges coming to Ireland from September 2012 to study at LIT and other Irish institutes.

Ontario is the largest province in Canada with a population of over 13 million. Colleges Ontario represents 24 third level colleges which educate undergraduate students up to Level 7, and the agreement with the Irish Institutes will allow these students to progress to honours degrees at Level 8 and beyond in Ireland.

The first wave of Canadian students coming to Ireland will study in the areas of electronics, internet applications and web development, engineering, business, and hospitality but further programme areas will be added over the coming months. The agreement will also support great student mobility for Irish students who will be able to travel to the Ontario colleges for undergraduate and post-graduate studies.

Other areas of cooperation between the Institutes and Ontario Colleges will include professional development of faculty and administrative staff, collaboration on joint programmes, research activities and publications, distance education and joint Business Incubation Centre activities. Linda Franklin, President and CEO of Colleges Ontario said, "The agreement offers tremendous mobility and flexibility to our students. Under the agreement, students will receive financial support to study abroad. For example, Ontario students going to Ireland would see their tuition fees reduced by more than 15 per cent."

Dr Hinfelaar, President of LIT, welcomed the agreement with the Ontario colleges, "Canadian students will blend in well with their fellow-students here as they are highly motivated and adaptable. They have a well-developed educational system, but there is this curious gap that many of them cannot progress to a full honours bachelors degree within the colleges. This is where LIT and the other IOTs around the country can offer attractive opportunities. We are already talking to some individual colleges who are very interested in what we have to offer, so we will make sure Limerick gets a healthy share of the cake."



President of LIT Dr. Maria Hinfelaar signing agreement with Colleges Ontario CEO and President Linda Franklin.

MAYOR OF LIMERICK OPENS MAJOR EU FUNDED CONFERENCE

Mayor of Limerick Cllr Jim Long opened the Limerick Institute of Technology (LIT) hosted TEMPUS Conference held in the Strand Hotel Limerick recently. TEMPUS is the European Union's programme which supports the modernisation of higher education in the Partner Countries of Eastern Europe, Central Asia, the Western Balkans and the Mediterranean region, mainly through university cooperation projects.

In an unprecedented collaboration of countries the conference saw almost 100 librarians and academic staff from 13 higher education institutions including Ireland, Romania, Greece, United Kingdom, Albania, Bosnia & Herzegovina, Kosovo and Montenegro attend the meeting which focused on developing information literacy for lifelong learning in Western Balkan countries.

The holding of this important meeting of countries has its origins in an application for funding made by LIT in early 2011 under the Tempus EU funding programme. In July 2011 LIT Library was awarded €1.2 million funding under the Tempus IV EU funding programme. LIT is the first Irish institution to lead a TEMPUS project securing the largest sum ever awarded for a Library and Information Science project in the history of the programme.

Speaking at the conference President of LIT, Dr Maria Hinfelaar highlighted the importance of information literacy, "Over the past 10 years LIT has invested greatly in information literacy in our institution through initiatives such as our Library Network Support Services (LNSS). In parallel LIT has worked to develop strong partnerships with libraries and library schools in countries such as Romania, Greece and the United Kingdom which has ultimately resulted in funding for this prestigious Tempus project on information literacy- the first of its kind in the history of Tempus. Information literacy is an essential skill for students these days, when confronted with an avalanche of information sources – some of which are less reliable than others."

In his opening speech Mayor Jim Long welcomed all the international delegates attending the conference to Limerick and encouraged them to enjoy the many amenities the city has to offer. The Mayor also extended an open invitation to the delegates to visit the office of the Mayor during their stay



Pictured at the TEMPUS conference from l to r:
Manolis Koukouralis, University of Crete,
Dr. Maria Hinfelaar, President of LIT, Prof Angela
Repanov, Transylvania University of Brasov



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**APPENDIX 1:
Student
Statistics
Progression
& Transfer**

STUDENT STATISTICS PROGRESSION AND TRANSFER 2010-2011

Title	YEAR									NQAI					
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	06	07	08	09	10	Total By Level
School of Business and Humanities															
Bachelor of Art (Honours) in Business with Tourism Management		23	22	14	0	0	0	0	59	0	0	59	0	0	59
Bachelor of Arts (Honours) in Applied Social Studies in Social Care	111	139	77	77	0	0	0	0	404	0	0	404	0	0	404
Bachelor of Arts (Honours) in Business Studies with Event Management	44	45	38	0	0	0	0	0	127	0	0	127	0	0	127
Bachelor of Arts (Honours) in Business Studies with Sports Management	69	25	0	0	0	0	0	0	94	0	0	94	0	0	94
Bachelor of Arts (Honours) in Business Studies with Tourism Management	11	0	0	0	0	0	0	0	11	0	0	11	0	0	11
Bachelor of Business (Honours) in Accounting and Finance	20	7	0	30	0	0	0	0	57	0	0	57	0	0	57
Bachelor of Business (Honours) in Law and Taxation	14	14	15	15	0	0	0	0	58	0	0	58	0	0	58
Bachelor of Business (Honours) in Marketing and Management	27	0	0	38	0	0	0	0	65	0	0	65	0	0	65
Bachelor of Business in Accounting and Finance	0	0	65	0	0	0	0	0	65	0	65	0	0	0	65
Bachelor of Business in Marketing and Management	0	0	52	0	0	0	0	0	52	0	52	0	0	0	52
Bachelor of Business Studies (Honours) in Marketing Management	0	11	0	0	0	0	0	0	11	0	0	11	0	0	11
Higher Certificate in Arts in Culinary Arts	32	20	0	0	0	0	0	0	52	52	0	0	0	0	52
Higher Certificate in Arts in Hospitality Studies	10	5	0	0	0	0	0	0	15	15	0	0	0	0	15
Higher Certificate in Business in Accounting and Finance	28	34	0	0	0	0	0	0	62	62	0	0	0	0	62
Higher Certificate in Business in Hotel Front Office Management	11	0	0	0	0	0	0	0	11	11	0	0	0	0	11
Higher Certificate in Business in Front Office Management	0	8	0	0	0	0	0	0	8	8	0	0	0	0	8
Higher Certificate in Business in Marketing and Management	55	85	0	0	0	0	0	0	141	141	0	0	0	0	141
Master of Arts in Tourism and Marketing	0	0	0	0	0	3	0	0	3	0	0	0	3	0	3
Master of Business in Business Studies	0	0	0	0	1	1	0	0	2	0	0	0	2	0	2
Master of Business in Marketing and Management Strategy	0	0	0	0	14	0	0	0	14	0	0	0	14	0	14
Total	432	416	270	174	15	4	0	0	1,311	289	117	886	19	0	1,311

Title	YEAR									NQAI					
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	06	07	08	09	10	Total By Level
School of Art and Design															
Bachelor of Arts (Honours) in Design (Ceramics)	0	27	23	16	0	0	0	0	66	0	0	66	0	0	66
Bachelor of Arts (Honours) in Design (Fashion)	0	20	25	20	0	0	0	0	65	0	0	65	0	0	65
Bachelor of Arts (Honours) in Design (Visual Communications)	0	31	36	25	0	0	0	0	92	0	0	92	0	0	92
Bachelor of Arts (Honours) in Fine Art (Common First Year)	168	0	0	0	0	0	0	0	168	0	0	168	0	0	168
Bachelor of Arts (Honours) in Fine Art (Painting)	0	31	32	28	0	0	0	0	91	0	0	91	0	0	91
Bachelor of Arts (Honours) in Fine Art (Printmaking)	0	30	26	20	0	0	0	0	76	0	0	76	0	0	76
Bachelor of Arts (Honours) in Fine Art (Sculpture & Combined Media)	0	29	22	13	0	0	0	0	64	0	0	64	0	0	64
Doctor of Arts in Art	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
Higher Diploma in Arts in Art and Design Teachers	0	0	0	0	30	0	0	0	30	0	0	30	0	0	30
Master of Art in Art	0	0	0	0	7	6	0	0	13	0	0	0	13	0	13
Masters of Art in Art and Design Education	0	0	0	0	15	0	0	0	15	0	0	0	15	0	15
Masters of Arts in Art & Design Social Practice & the Creative Environment	0	0		0	20	0	0	0	20	0	0	0	20	0	20
Total	168	168	164	122	72	6	0	1	701	0	0	652	48	1	701
School of Science															
Engineering and Information Technology															
Bachelor of Arts in E-Office Administration Systems	24	39	24	0	0	0	0	0	87	0	87	0	0	0	87
Bachelor of Business (Honours) in Business Computing	0	0	0	14	0	0	0	0	14	0	0	14	0	0	14
Bachelor of Business (Honours) in Office Management Systems	0	0	0	13	0	0	0	0	13	0	0	13	0	0	13
Bachelor of Business in Business Computing	0	0	21	0	0	0	0	0	21	0	21	0	0	0	21
Bachelor of Engineering (Honours) in Facilities Engineering	0	0	0	26	0	0	0	0	26	0	0	26	0	0	26
Bachelor of Engineering in Automation & Control Engineering	24	18	18	0	0	0	0	0	60	0	60	0	0	0	60
Bachelor of Engineering in Electronic Engineering	19	18	20	0	0	0	0	0	57	0	57	0	0	0	57
Bachelor of Engineering in Mechanical Engineering	45	33	49	0	0	0	0	0	127	0	127	0	0	0	127
Bachelor of Engineering in Road Transport Technology	12	7	13	0	0	0	0	0	32	0	32	0	0	0	32
Bachelor of Engineering in Video and Sound Technology	0	0	14	0	0	0	0	0	14	0	14	0	0	0	14
Bachelor of Science (Honours) in Audio & Video Production	0	0	0	9	0	0	0	0	9	0	0	9	0	0	9

Title	YEAR									NOAI					
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	06	07	08	09	10	Total By Level
Bachelor of Science (Honours) in Bio-Analysis and Bio-Technology	0	0	0	15	0	0	0	0	15	0	0	15	0	0	15
Bachelor of Science (Honours) in Chemical Instrumentation and Analysis	0	0	0	10	0	0	0	0	11	0	0	11	0	0	11
Bachelor of Science (Honours) in Computer Networks and Systems Management	15	20	7	12	0	0	0	0	54	0	0	54	0	0	54
Bachelor of Science (Honours) in Drug and Medicinal Product Analysis	16	12	6	3	0	0	0	0	37	0	0	37	0	0	37
Bachelor of Science (Honours) in Electronic Systems	0	0	0	16	0	0	0	0	16	0	0	16	0	0	16
Bachelor of Science (Honours) in Information Systems	0	0	0	3	0	0	0	0	3	0	0	3	0	0	3
Bachelor of Science (Honours) in Internet Systems Development	0	0	0	7	0	0	0	0	7	0	0	7	0	0	7
Bachelor of Science (Honours) in Multimedia Programming and Design	20	16	20	9	0	0	0	0	65	0	0	65	0	0	65
Bachelor of Science (Honours) in Music Production	0	0	0	13	0	0	0	0	13	0	0	13	0	0	13
Bachelor of Science (Honours) in Pharmaceutical and Forensics Analysis	16	17	25	29	0	0	0	0	87	0	0	87	0	0	87
Bachelor of Science (Honours) in Software Development	20	15	10	7	0	0	0	0	52	0	0	52	0	0	52
Bachelor of Science (Honours) in Sustainable Energy Management	0	0	0	22	0	0	0	0	22	0	0	22	0	0	22
Bachelor of Science (Ordinary) in Internet Systems Development	24	29	10	0	0	0	0	0	63	0	63	0	0	0	63
Bachelor of Science in Applied Biology	29	0	0	0	0	0	0	0	29	0	29	0	0	0	29
Bachelor of Science in Applied Biosciences	0	0	18	0	0	0	0	0	18	0	18	0	0	0	18
Bachelor of Science in Chemical Instrumentation/Analytical Methods	0	0	14	0	0	0	0	0	14	0	14	0	0	0	14
Bachelor of Science in Computing in Software Engineering	0	0	1	0	0	0	0	0	1	0	1	0	0	0	1
Bachelor of Science in Environmental & Chemical Analysis	10	0	0	0	0	0	0	0	10	0	10	0	0	0	10
Bachelor of Science in Music Technology & Production	27	31	31	0	0	0	0	0	89	0	89	0	0	0	89
Bachelor of Science in Pharmaceutical and Forensics Analysis	11	6	0	0	0	0	0	0	17	0	17	0	0	0	17
Bachelor of Science in Renewable & Electrical Energy Systems	68	81	48	0	0	0	0	0	197	0	197	0	0	0	197
Doctor of Science in Science	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1

Title	YEAR									NQAI					
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	06	07	08	09	10	Total By Level
Higher Certificate in Business in Business Computing	58	37	0	0	0	0	0	0	95	95	0	0	0	0	95
Higher Certificate in Engineering in Agricultural Mechanisation	43	30	0	0	0	0	0	0	73	73	0	0	0	0	73
Higher Certificate in Engineering in Automobile Technology	19	17	0	0	0	0	0	0	36	36	0	0	0	0	36
Higher Certificate in Engineering in Mechanical and Manufacturing Engineering	16	20	0	0	0	0	0	0	36	36	0	0	0	0	36
Higher Certificate in Good Manufacturing Practice & Technology	0	9	0	0	0	0	0	0	9	9	0	0	0	0	9
Higher Certificate in Science in Applied Biology	2	24	0	0	0	0	0	0	26	26	0	0	0	0	26
Higher Certificate in Science in Applied Chemistry	1	10	0	0	0	0	0	0	11	11	0	0	0	0	11
Higher Certificate in Science in Environmental and Analytical Science	8	13	0	0	0	0	0	0	21	21	0	0	0	0	21
Higher Certificate in Technology in Video and Sound Technology	44	14	0	0	0	0	0	0	58	58	0	0	0	0	58
Master of Computing in Computing	0	0	0	0	0	3	1	0	3	0	0	0	3	0	3
Master of Engineering in Electronics	0	0	0	0	1	2	2	0	5	0	0	0	5	0	5
Master of Engineering in Mechanical	0	0	0	0	3	0	0	0	3	0	0	0	3	0	3
Master of Science in Computing	0	0	0	0	17	0	0	0	17	0	0	0	17	0	17
Master of Science in Science	0	0	0	0	5	11	0	0	16	0	0	0	16	0	16
Total	571	516	349	208	26	16	3	1	1,690	365	836	444	44	1	1,690
School of the Built Environment															
Bachelor of Engineering in Civil Engineering	14	8	41	0	0	0	0	0	63	0	63	0	0	0	63
Bachelor of Science (Honours) in Building Surveying	9	0	0	0	0	0	0	0	9	0	0	9	0	0	9
Bachelor of Science (Honours) in Civil Engineering Management	18	29	35	44	0	0	0	0	126	0	0	126	0	0	126
Bachelor of Science (Honours) in Construction Management	11	29	33	57	0	0	0	0	130	0	0	130	0	0	130
Bachelor of Science (Honours) in Property Valuation & Management	4	9	0	0	0	0	0	0	13	0	0	13	0	0	13
Bachelor of Science (Honours) in Quantity Surveying	17	34	62	46	0	0	0	0	159	0	0	159	0	0	159
Bachelor of Science (Honours) in Real Estate	0	0	12	23	0	0	0	0	35	0	0	35	0	0	35
Bachelor of Science in Construction Health & Safety	15	0	0	0	0	0	0	0	15	0	15	0	0	0	15

Title	YEAR									NOAI					
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	06	07	08	09	10	Total By Level
Bachelor of Science in Construction in Construction Site Management	0	0	20	0	0	0	0	0	20	0	20	0	0	0	20
Bachelor of Science in Construction in Health and Safety	0	0	6	0	0	0	0	0	6	0	6	0	0	0	6
Bachelor of Science in Construction Site Management	3	3	0	0	0	0	0	0	6	0	6	0	0	0	6
Bachelor of Science in Health & Safety in Construction	0	4	0	0	0	0	0	0	4	0	4	0	0	0	4
Bachelor of Science in Management (Craft)	0	0	49	0	0	0	0	0	49	0	49	0	0	0	49
Bachelor of Science in Management Craft	0	0	25	0	0	0	0	0	25	0	25	0	0	0	25
Certificate in Technology Enhanced Teaching & Learning in Higher Education	0	0	0	0	22	0	0	0	22	0	0	0	22	0	22
Higher Certificate in Construction in Construction Studies	2	15	0	0	0	0	0	0	17	17	0	0	0	0	17
Higher Certificate in Engineering in Civil and Environmental Engineering	11	0	0	0	0	0	0	0	11	11	0	0	0	0	11
Higher Certificate in Engineering in Civil Engineering	3	30	0	0	0	0	0	0	33	33	0	0	0	0	33
Higher Certificate in Science in Construction Studies	11	0	0	0	0	0	0	0	11	11	0	0	0	0	11
Master of Building	0	0	0	0	3	1	0	0	4	0	0	0	4	0	4
Total	118	161	283	170	25	1	0	0	758	72	188	472	26	0	758
Grand Total	1289	1261	1066	674	138	27	3	2	4460	726	1141	2454	137	2	4460

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7/8	Total	NOAL L6	NOAI L7	NOAL L8	NOAI L9	NOAI L10	Total
School Art and Design	168	168	164	122	72	6	1	701	0	0	652	48	1	701
Built Environment	118	161	283	170	25	1	0	758	72	188	472	26	0	758
Business & Humanities	432	416	270	174	15	4	0	1311	289	117	886	19	0	1311
SEIT	571	516	349	208	26	16	4	1690	365	836	444	44	1	1690
Total	1289	1261	1066	674	138	27	5	4460	726	1141	2454	137	2	4460

STUDENT STATISTICS PROGRESSION AND TRANSFER 2011-2012

Title	YEAR									NQAI						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	Socrates	06	07	08	09	10	Total by level
School of Art and Design																
Masters of Art in Art & Design Education	0	0	0	0	0	17	0	0	17	0	0	0	0	17	0	17
Bachelor of Arts (Honours) in Art & Design	174	0	0	0	0	0	0	0	174	0	0	0	174	0	0	174
Master of Arts	0	0	0	0	7	8	0	0	15	0	0	0	0	15	0	15
Master of Art in Art	0	0	0	0	0	2	0	0	2	0	0	0	0	2	0	2
Doctor of Arts in Art	0	0	0	0	0	0	2	0	2	0	0	0	0	0	2	2
Bachelor of Arts (Honours) in Design	0	78	76	83	0	0	0	0	237	0	0	0	237	0	0	237
Bachelor of Arts (Honours) in Fine Art	0	71	94	64	0	0	0	0	229	0	0	0	229	0	0	229
Masters of Arts in Art & Design in Social Practice & the Creative Environment	0	0	0	0	15	0	0	0	15	0	0	0	0	15	0	15
Higher Diploma in Arts in Art and Design Teaching	0	0	0	0	30		0	0	30	0	0	0	30	0	0	30
Total	174	149	170	147	52	27	2	0	721	0	0	0	670	49	2	721
School of Business and Humanities																
Bachelor of Business in Accounting and Finance	0	0	40	0	0	0	0	0	40	0	0	40	0	0	0	40
Bachelor of Business (Honours) in Accounting & Finance	9	19	6	56	0	0	0	0	90	0	0	0	90	0	0	90
Higher Certificate in Business in Accounting & Finance	17	30	0	0	0	0	0	0	47	0	47	0	0	0	0	47
Higher Diploma in Business Management	0	0	0	0	5	0	0	0	5	0	0	0	5	0	0	5
Bachelor of Business (Honours) in Marketing & Management	25	20	0	40	0	0	0	0	85	0	0	0	85	0	0	85
Master of Arts	0	0	0		2	1	0	0	3	0	0	0	0	3	0	3
Bachelor of Business (Honours) in Law and Taxation	19	9	13	14	0	0	0	0	55	0	0	0	55	0	0	55
Bachelor of Business in Marketing & Management	0	0	70	0	0	0	0	0	70	0	0	70	0	0	0	70
Bachelor of Business (Honours) in Marketing & Management	0	0	15	0	0	0	0	0	15	0	0	0	15	0	0	15
Higher Certificate in Business in Marketing & Management	35	45	0	0	0	0	0	0	80	0	80	0	0	0	0	80
Higher Certificate in Business in Marketing and Management	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Masters of Business in Marketing and Management	0	0	0	0	7	0	0	0	7	0	0	0	0	7	0	7
Bachelor of Arts (Honours) in Business Studies with Event Management	23	43	43	0	0	0	0	0	109	0	0	0	109	0	0	109

Title	YEAR									NQAI						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	Socrates	06	07	08	09	10	Total by level
Bachelor of Arts (Honours) in Business Studies with Sports Management	51	54	24	0	0	0	0	0	129	0	0	0	129	0	0	129
Bachelor of Arts (Honours) in Business Studies with Tourism Management	20	9	19	19	0	0	0	0	67	0	0	0	67	0	0	67
Master of Arts in Humanities (Research)	0	0	0	0	2	0	0	0	2	0	0	0	0	2	0	2
Bachelor of Arts (Honours) in Applied Social Studies in Social Care	124	109	137	73	0	0	0	0	443	0	0	0	443	0	0	443
Professional Cookery Traineeship FETAC Level 6 Day Release	28	0	0	0	0	0	0	0	28	0	28	0	0	0	0	28
Higher Certificate in Arts in Culinary Arts	30	23	0	0	0	0		0	53	0	53	0	0	0	0	53
Higher Certificate in Business Studies in Hotel Front Office Management	15	9	0	0	0	0	0	0	24	0	24	0	0	0	0	24
Higher Certificate in Arts in Hospitality Studies	12	8	0	0	0	0	0	0	20	0	20	0	0	0	0	20
Total	408	379	367	202	16	1	0	0	1373	0	253	110	998	12	0	1373
School of Science Engineering and Information Technology																
Bachelor of Science (Honours) in Bioanalysis & Biotechnology	0	0	0	13	0	0	0	0	13	0	0	0	13	0	0	13
Bachelor of Science in Applied Biology	28	24	0	0	0	0	0	0	52	0	0	52	0	0	0	52
Higher Certificate in Science in Applied Biology	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Bachelor of Science in Applied Biosciences	0	0	20	0	0	0	0	0	20	0	0	20	0	0	0	20
Bachelor of Science (Honours) in Chemical Instrumentation and Analysis	0	0	0	9	0	0	0	0	9	0	0	0	9	0	0	9
Higher Certificate in Science in Applied Chemistry	9	3	0	0	0	0	0	0	12	0	12	0	0	0	0	12
Bachelor of Science in Chemical Instrumentation/ Analytical Methods	0	0	12	0	0	0	0	0	12	0	0	12	0	0	0	12
Bachelor of Science (Honours) in Drug and Medicinal Product Analysis	13	12	11	4	0	0	0	0	40	0	0	0	40	0	0	40
Bachelor of Science in Environmental & Chemical Analysis	2	2	5	0	0	0	0	0	9	0	0	9	0	0	0	9
Higher Certificate in Science in Environmental and Analytical Science	6	6	0	0	0	0	0	0	12	0	12	0	0	0	0	12
Higher Certificate in Science in Good Manufacturing Practice & Technology	0	0	7	0	0	0	0	0	7	0	7	0	0	0	0	7

Title	YEAR									NQAI						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	Socrates	06	07	08	09	10	Total by level
Bachelor of Science (Honours) in Pharmaceutical and Forensic Analysis	18	16	19	26	0	0	0	0	79	0	0	0	79	0	0	79
Bachelor of Science in Pharmaceutical and Forensic Analysis	15	2	2	0	0	0	0	0	19	0	0	19	0	0	0	19
Master of Science	0	0	0	0	6	11	0	0	17	0	0	0	0	17	0	17
Doctor of Philosophy	0	0	0	0	0	0	2	3	5	0	0	0	0	0	5	5
Bachelor of Science (Honours) in Audio & Video Production	0	0	0	12	0	0	0	0	12	0	0	0	12	0	0	12
Bachelor of Engineering in Electronic Engineering	20	17	19	0	0	0	0	0	56	0	0	56	0	0	0	56
Bachelor of Science (Honours) in Electronic Systems	0	0	0	25	0	0	0	0	25	0	0	0	25	0	0	25
Master of Engineering	0	0	0	0	1	3	0	0	4	0	0	0	0	4	0	4
Master of Engineering	0	0	0	0	1	2	0	0	3	0	0	0	0	3	0	3
Bachelor of Science (Honours) in Music Production	0	0	0	17	0	0	0	0	17	0	0	0	17	0	0	17
Bachelor of Science in Music Technology & Production	34	27	30	0	0	0	0	0	91	0	0	91	0	0	0	91
Bachelor of Science in Renewable & Electrical Energy Systems	60	81	49	0	0	0	0	0	190	0	0	190	0	0	0	190
Bachelor of Science (Honours) in Sustainable Energy Management	0	0	0	29	0	0	0	0	29	0	0	0	29	0	0	29
Bachelor of Engineering in Technology in Video & Sound Technology	0	0	17	0	0	0	0	0	17	0	0	17	0	0	0	17
Higher Certificate in Technology in Video & Sound Technology	34	26	0	0	0	0	0	0	60	0	60	0	0	0	0	60
Apprentice Programme Electrician	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Higher Certificate in Engineering in Agricultural Mechanisation	42	38	0	0	0	0	0	0	80	0	80	0	0	0	0	80
Bachelor of Engineering in Automation and Control Engineering	11	18	20	0	0	0	0	0	49	0	0	49	0	0	0	49
Higher Certificate in Engineering in Automobile Technology	20	13	0	0	0	0	0	0	33	0	33	0	0	0	0	33
Bachelor of Engineering (Honours) in Facilities Engineering	0	0	0	18	0	0	0	0	18	0	0	0	18	0	0	18
Bachelor of Engineering in Mechanical Engineering	46	44	43	0	0	0	0	0	133	0	0	133	0	0	0	133
Higher Certificate in Engineering in Mechanical & Manufacturing Engineering	3	20	0	0	0	0	0	0	23	0	23	0	0	0	0	23

Title	YEAR									NQAI						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	Socrates	06	07	08	09	10	Total by level
Bachelor of Engineering in Road Transport Technology Management	15	8	22	0	0	0	0	0	45	0	0	45	0	0	0	45
Apprentice Programme Fitter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprentice Programme Motor Mechanic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bachelor of Business (Honours) in Business Management Systems	0	0	0	16	0	0	0	0	16	0	0	0	16	0	0	16
Bachelor of Business in Business Computing	0	0	22	0	0	0	0	0	22	0	0	22	0	0	0	22
Bachelor of Business (Honours) in Business Computing	0	0	0	11	0		0	0	11	0	0	0	11	0	0	11
Higher Certificate in Business in Business Computing	42	38	0	0	0	0	0	0	80	0	80	0	0	0	0	80
Bachelor of Science (Honours) in Computer Networks & Systems Management	27	15	14	6	0	0	0	0	62	0	0	0	62	0	0	62
Masters of Science in Computing	0	0	0	0	9	0	0	0	9	0	0	0	0	9	0	9
Master of Science	0	0	0	0	2	1	0	0	3	0	0	0	0	3	0	3
Doctor of Philosophy	0	0	0	0	0	0	1	1	2	0	0	0	0	0	2	2
Master of Science in Computing	0	0	0	0	4	0	0	0	4	0	0	0	0	4	0	4
Bachelor of Arts in eBusiness Administration Systems	19	25	28	0	0	0	0	0	72	0	0	72	0	0	0	72
Bachelor of Arts in e-Office Administration	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1
Bachelor of Science (Honours) in Information Systems	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1
Bachelor of Science (Honours) in Internet Systems Development	0	0	0	3	0	0	0	0	3	0	0	0	3	0	0	3
Bachelor of Science in Internet Systems Development	38	21	0	0	0	0	0	0	59	0	0	59	0	0	0	59
Bachelor of Science (Honours) in Multimedia Programming and Design	22	17	16	22	0	0	0	0	77	0	0	0	77	0	0	77
Bachelor of Science (Honours) in Software Development	19	14	13	8	0	0	0	0	54	0	0	0	54	0	0	54
Total	543	489	369	220	23	17	3	4	1668	0	308	847	466	40	7	1668

Title	YEAR									NQAI						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	Socrates	06	07	08	09	10	Total by level
School of the Built Environment																
Master of Art in Built Environment Management	0	0	0	0	4	2	0	0	6	0	0	0	0	6	0	6
Bachelor of Science (Honours) in Building Surveying	3	20	0	0	0	0	0	0	23	0	0	0	23	0	0	23
Bachelor of Science (Honours) in Construction Management	6	19	29	42	0	0	0	0	96	0	0	0	96	0	0	96
Bachelor of Engineering in Civil Engineering	0	0	41	0	0	0	0	0	41	0	0	41	0	0	0	41
Higher Certificate in Engineering in Civil & Environmental	4	13	0	0	0	0	0	0	17	0	17	0	0	0	0	17
Bachelor of Engineering in Civil Engineering	15	11	6	0	0	0	0	0	32	0	0	32	0	0	0	32
Bachelor of Science (Honours) in Civil Engineering Management	7	17	19	55	0	0	0	0	98	0	0	0	98	0	0	98
Higher Certificate in Science in Construction Studies	3	10	0	0	0	0	0	0	13	0	13	0	0	0	0	13
Higher Certificate in Science in Construction Practice	15	0	0	0	0	0	0	0	15	0	15	0	0	0	0	15
Bachelor of Science in Construction Health & Safety	9	7	4	0	0	0	0	0	20	0	0	20	0	0	0	20
Bachelor of Science in Management (Craft)	0	0	10	0	0	0	0	0	10	0	0	10	0	0	0	10
Bachelor of Science (Honours) in Property Valuation & Management	5	10	11	15	0	0	0	0	41	0	0	0	41	0	0	41
Bachelor of Science (Honours) in Quantity Surveying	7	46	54	10	0	0	0	0	117	0	0	0	117	0	0	117
Bachelor of Science in Sustainable Building & Renewable Energies	26	0	0	0	0	0	0	0	26	0	0	26	0	0	0	26
Bachelor of Science in Construction Site Management	4	3	8	0	0	0	0	0	15	0	0	15	0	0	0	15
MSc in Quantity Surveying	0	0	0	0	6	0	0	0	6	0	0	0	0	6	0	6
Apprentice Programme Floor/Wall Tiler	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apprentice Programme Carpenter / Joiner	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	104	156	182	122	10	2	0	0	576	0	45	144	375	12	0	576

Title	YEAR									NQAI						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	Socrates	06	07	08	09	10	Total by level
LIT Tipperary School																
Bachelor of Arts (Honours) in Accounting and Finance	13	13	11	0	0	0	0		37	0	0	0	37	0	0	37
Bachelor of Business (Honours)	10	10	14	27	0	0	0	0	61	0	0	0	61	0	0	61
Higher Certificate in Business	18	24	0	0	0	0	0	0	42	0	42	0	0	0	0	42
Bachelor of Business	23	18	41	0	0	0	0	0	82	0	0	82	0	0	0	82
Bachelor of Business in Marketing	4	3	2	0	0	0	0	0	9	0	0	9	0	0	0	9
Higher Certificate in Business and Office Management	5	3	0	0	0	0	0	0	8	0	8	0	0	0	0	8
Bachelor of Science (Honours) in Sports Strength and Conditioning	19	0	0	0	0	0	0	0	19	0	0	0	19	0	0	19
Bachelor of Science in Sports Strength and Conditioning	9	0	0	0	0	0	0	0	9	0	0	9	0	0	0	9
Bachelor of Arts (Honours) in Sustainable Rural Development	0	0	0	2	0	0	0	0	2	0	0	0	2	0	0	2
Bachelor of Arts (Honours) in Social and Community Studies	25	37	29	9	0	0	0	0	100	0	0	0	100	0	0	100
Higher Certificate in Science in Computing	7	8	0	0	0	0	0	0	15	0	15	0	0	0	0	15
Bachelor of Science in Computing	18	1	4	0	0	0	0	0	23	0	0	23	0	0	0	23
Bachelor of Science (Honours) in Computing Games Design and Development	35	14	3	4	0	0	0	0	56	0	0	0	56	0	0	56
Higher Certificate in Science in Computing in Information Technology Support	5	5	0	0	0	0	0	0	10	0	10	0	0	0	0	10
Bachelor of Science in Computing in Information Technology Support	6	5	5	0	0	0	0	0	16	0	0	16	0	0	0	16
Bachelor of Science (Honours) in Computing in Smart Sustainable Energy	5	3	0	0	0	0	0	0	8	0	0	0	8	0	0	8
Bachelor of Science in Computing in Smart Sustainable Energy	5	2	0	0	0	0	0	0	7	0	0	7	0	0	0	7
Bachelor of Science (Honours) in Environment and Natural Resource Management	11	26	28	17	0	0	0	0	82	0	0	0	82	0	0	82
Socrates / ERASMUS Programme	5	0	0	0	0	0	0	0	5	5	0	0	0	0	0	5
Bachelor of Science (Honours) in Information Technology in Creative Multimedia	14	17	3	6	0	0	0	0	40	0	0	0	40	0	0	40

Title	YEAR									NQAI						
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Total	Socrates	06	07	08	09	10	Total by level
Higher Certificate in Science in Information Technology in Creative Multimedia	11	7	0	0	0	0	0	0	18	0	18	0	0	0	0	18
Bachelor of Science in Information Technology in Creative Multimedia	15	16	14	0	0	0	0	0	45	0	0	45	0	0	0	45
Total	263	212	154	65	0	0	0	0	694	5	93	191	405	0	0	694
Grand Total	1492	1385	1242	756	101	47	5	4	5032	5	699	1292	2914	113	9	5032

Business and Humanities	408	379	367	202	16	1	0	0	1373	0	253	110	998	12	0	1373
School Art and Design	174	149	170	147	52	27	2	0	721	0	0	0	670	49	2	721
Science, Engineering & Information Technology	543	489	369	220	23	17	3	4	1668	0	308	847	466	40	7	1668
Built Environment	104	156	182	122	10	2	0	0	576	0	45	144	375	12	0	576
LIT Tipperary School	263	212	154	65	0	0	0	0	694	5	93	191	405	0	0	694
Total	1492	1385	1242	756	101	47	5	4	5032	5	699	1292	2914	113	9	5032



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