

# Annual Report

04 - 05

**DKIT**  
Dundalk Institute of Technology

ANNUAL REPORT  
**2004 - 2005**

DUNDALK INSTITUTE OF TECHNOLOGY

ANNUAL REPORT

2004 - 2005

SECTION **1**

# Introduction

# Chairperson's Statement

Dundalk Institute of Technology is the only higher education institute in the northeast of Ireland. Since its foundation in 1971, it has developed an outstanding reputation for producing high-quality graduates, who have made a significant contribution to the economic, social and cultural development of the region and the country. The Institute is highly regarded for its responsive approach to the needs of the industry in the region and has developed a portfolio of programmes from Level Six (Higher Certificate) to Level Nine (Masters) that meets this demand. Through the Regional Development Centre, the Institute also provides direct support to enterprises via the Enterprise Platform Programme, the Novation programme and its incubation facilities. The Institute now also has an active research programme that both informs learning and provides commercialisation spin-off opportunities.

The Governing Body of the Institute ensures that good corporate governance practice, policy and procedures appropriate to a public organisation are in place. The Governing Body also provides oversight ensuring that the Institute continues to operate to the expectations of a broad range of stakeholders, including government, students, staff, employers and state agencies.

Joanna Gardiner

**Chairperson**  
Governing Body



# Director's Statement

I am pleased to introduce the Annual Report of Dundalk Institute of Technology for the Academic year 2004/2005.

Significant developments during this year were the publication of the OECD review of higher education, the re-designation of HETAC awards and the commencement of the development of the second major strategic plan for the Institute.

The OECD review of higher education is likely to have a major impact on the broad policy framework within which the Institute will operate in coming years. Should its recommendations be implemented, it will result in greater autonomy for Dundalk Institute of Technology, with many of the functions currently performed by the Department of Education & Science transferring to the Institute. The OECD report also recommends the establishment of a Tertiary Education Authority which would manage and administer funding of both Universities and Institutes of Technology.

The Institute also completed the re-designation of all its existing awards within the National Qualifications Framework. As a result National Certificates have been re-designated Higher Certificates (Level 6), National Diplomas have been re-designated Ordinary Degrees (Level 7) and Bachelors Degrees have been re-designated Honours Degrees (Level 8).

The Strategic Planning process for the Institute's second major Strategic Plan also commenced this year. A Steering Committee has been established to oversee the process and to manage consultations with internal and external stakeholders.

Denis Cummins, MSc.

**Director**



# DkIT's Mission Statement

Dundalk Institute of Technology's mission is to provide the community with quality third-level education and services, relevant to the economic, social and cultural development of the region in the national and international context.

The Institute aims to promote personal responsibility among all its students and enhance the professionalism of all its members in a supportive, inclusive and productive environment.

DUNDALK INSTITUTE OF TECHNOLOGY

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SECTION **2**

**Governance**

## 2.1 Governing Body

<b>Membership 2004 / 05:</b>	<b>Representing:</b>
Mr. Clifford Kelly	Chairman
Dr. Tom Collins	Director
Dr. Peter Connolly	CEO, Co Louth VEC
Ms. Mary Kennedy	Academic Staff Representative DkIT
Mr. Eamon Kinch	Academic Staff Representative DkIT
Mr. Michael O'Dubhchair	Academic Staff Representative DkIT
Mr. Patrick O'Neill	Co Meath VEC
Mr. Larry McCluskey	Co Monaghan VEC
Ald. Maria O'Brien-Campbell	Drogheda VEC
Mr. T.P. Smith	Co Cavan VEC
Ms. Mary Murray	Chamber of Commerce
Mr. Frank O'Brien	ICTU
Mr. Anthony Kearon	Institute of Engineers of Ireland
Mr. Robert Wilson	Irish Brewers Association
Ms. Maria Loomes	Irish Computer Society
Ms. Siobhan Daly - up to July 2004	Female Student Representative
Ms. Mary O'Loughlin - from Sept 04 - March 05	Female Student Representative
Mr. Owen McKeown - from Sept 2004	Male Student Representative

The Governing Body of DkIT has a term of office of 5 years. This current term of office ceased in March 2005 and the next term runs from April 2005 to March 2010.



## 2.2 Senior Staff

<b>Senior Management</b>	
Dr. Tom Collins	Director
Mr. Gerard Carroll	Head of Development
Mr. Peter McGrath	Secretary/Financial Controller
Mr. Stephen McManus	Registrar
Mr. Peter Fuller	Head of School of Business Studies and Humanities
Mr. John Connolly	Head of School of Engineering
Dr. Simon O'Brien	Head of School of Science - To 31 January, 2004
Mr. Denis Cummins	Head of School of Informatics, Music and Creative Media - From 1 July, 2004
<b>Heads of Department</b>	
Mr. Cathal Kearney	Head of Department of Financial, Management and Professional Studies
Dr. Colette Henry	Head of Department of Business Studies
Dr. David Getty	Acting Head of Department of Humanities
Dr. Eibhlis Farrell	Head of Department of Music and Creative Media
Mr. Eugene Roe	Head of Department of Mechanical/Manufacturing Engineering
Dr. Dan O'Brien	Head of Department of Electronics
Dr. Patrick Feenan	Head of Department of Infrastructure and Environmental Studies
Dr. Bob McKiernan	Acting Head of Department of Mathematics and Computing
Mr. Denis Cummins	Head of Department of Mathematics and Computing - Up to 30 June, 2004
Mr. Gerard McTaggart	Head of Department of Nursing and Health Studies
<b>Heads of Function</b>	
Mr. Brendan Keane	Finance Manager
Mr. Gerald O'Driscoll	Human Resource Manager
Mr. Conor Lait	Estates Manager
Mr. James McCahill	IT Manager
Ms. Linda Murphy	Academic, Administration and Student Affairs Manager
Ms. Irene Monaghan	External Services Manager
Ms. Ann Cleary	Librarian

## 2.3 Staffing

### New Staff

#### Library:

Mr. Jamie Ward, Systems Librarian  
 Ms. Rosemary McKenna, Library Assistant - Graduate Trainee  
 Mr. Jamie Ward, Library Assistant 1  
 Ms. Nicole Ackermann, Library Assistant 1  
 Mr. Sean McGreal, Library Assistant 1

#### Registrar's Office:

Mr. Diarmuid Cahill, Clubs and Societies Officer

#### Cross-Border Centre for Community Development:

Ms. Veronica McCreesh, Women's Development Officer  
 Ms. Majella McEntegart, Men's Development Officer  
 Ms. Breda Connor, Administrator - Cross-Border Centre for Community Development  
 Ms. Iseult Harrington, Administrator - Cross-Border Centre for Community Development  
 Mr. Michael Dunne, Community Well-being Co-ordinator

#### Support Staff:

Mr. Brendan Clarke, Caretaker  
 Mr. Patrick Dunne, Caretaker  
 Ms. Fiona Rooney, Housekeeping Supervisor

#### School of Engineering:

Mr. James Mulvany, Electronic Technician  
 Mr. Aubrey O'Coimin, Electronic Technician  
 Mr. Kieran Nevin, Electrical Trades Technician

#### Department of Computing and Mathematics:

Dr. Gerard (Bob) McKiernan, Head of Department of Computing and Mathematics

#### School of Nursing, Health Studies and Applied Sciences:

Dr. Breda Brennan, Acting Head of Department of Applied Sciences  
 Dr. Mark Hollywood, Lecturer - Biomedical Sciences  
 Professor Noel McHale, Lecturer - Biomedical Sciences.  
 Dr. Keith Thornbury, Lecturer - Biomedical Sciences  
 Dr. Gerard Sergeant, Assistant Lecturer - Biomedical Sciences

#### School of Business Studies and Humanities:

Ms. Irene Mackay, Assistant Lecturer - Law  
 Ms. Brianain Erraught, Acting Head of Section of Hospitality  
 Dr. David Getty, Acting Head of Department of Humanities and Social Studies  
 Ms. Louise Fitzpatrick, Programme Manager - Higher Certificate in Youth Work  
 Mr. Cathal Kearney, Head of School of Business Studies and Humanities  
 Dr. Kevin Howard, Assistant Lecturer - Social Studies

#### Regional Development Centre:

Ms. Cathriona O'Reilly, Project Accountant  
 Ms. Kulli Partel, Project Administrator - Midas Initiative  
 Mr. Michael Maguire, Programme Manager - Midas Initiative.  
 Dr. Fiona Lynch, Project Manager - Borderlands Initiative  
 Mr. Paul Perry, Community Arts Officer  
 Ms. Angela Hamouda, Research Co-ordinator  
 Ms. Linda Fergus, Programme Manager - Creative Media  
 Ms. Roisin Nic Cana, Technical Facility Manager  
 Ms. Ciara O'Shea, Operations Manager, Incubation Centre  
 Ms. Irene Monaghan, External Services Manager

#### Retirements

Dr. Sean McDonagh, Director  
 Mr. Frank Carney, School of Engineering  
 Mr. Desmond Collins, School of Engineering  
 Mr. Gerry Duffy, School of Business Studies and Humanities  
 Mr. Tony Hickey, School of Nursing, Health Studies and Applied Sciences  
 Mr. Peter Fuller, School of Business Studies and Humanities  
 Mr. Turlough O'Brien, School of Engineering

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SECTION 3

Academic  
Staff &  
Student  
Statistics

## 3.1 Academic Council

The Academic Council is a statutory body established under the Regional Technical Colleges Act (1992) and has responsibility for maintaining academic standards and the development of Academic Regulations. The Academic Council makes recommendations to the Governing Body, and its Secretary is the Registrar. The Academic Council has a membership of forty-three including two students.

1. Brian Boyd	23. Frank Watters
2. Tom Collins (Chair)	24. Bob McKiernan
3. Pat Clinton	25. Gerry McTaggart
4. Gerard Coleman	26. Frank Murray
5. John Connolly	27. Daniel O'Brien
6. Denis Cummins	28. Eugene Roe
7. Stephen McManus	29. Ann Cleary
8. Brianain Erraught	30. Micheal O'Dubhchair
9. Pat Feenan	31. Gerard Carroll
10. Peter Fuller	32. Enda Finn
11. Eibhlis Farrell	33. John Sisk
12. Colette Henry	34. Eamonn Kinch
13. Tanya Rice	35. Kevin Starrs
14. Cathal Kearney	36. Gerry Smyth
15. Pdraig McGuigan	37. Siobhan O'Halloran
16. James O'Donohoe	38. David Getty
17. Mark Clarke	39. Breda Brennan
18. Brian Dunlevy	40. Ciara Monaghan
19. John McDonald	41. Neil Flynn
20. Fiona Fearon	42. Brid O'Neill
21. Kathleen Rooney	43. Caroline O'Sullivan
22. Brendan Ryder	

## 3.2 Academic Developments

**The following are the list of New Programmes for 2004/05:**

*(This list incorporates programmes previously designated as National Certificates and National Diplomas which were replaced by Higher Certificates and Ordinary Degrees.)*

### **Business**

Higher Certificate in Business in Management & Administration  
 Higher Certificate in Business in Office Information Systems  
 Bachelor of Business in Hospitality Management  
 Bachelor of Business in Culinary Arts Management  
 Bachelor of Business in Event Management  
 Bachelor of Arts (Honours) in Accounting and Finance  
 Bachelor of Business (Honours) in Marketing  
 Bachelor of Business Studies (Honours)  
 Bachelor of Business in Management & Administration  
 Bachelor of Business in International Business

## Computing

Higher Certificate in Science in Computing in Software Development  
 Higher Certificate in Science in Computing in Application & Support  
 Bachelor of Science in Computing in Software Development with French  
 Bachelor of Science in Computing in Applications & Support with French  
 Bachelor of Science in Computing in Applications & Support with German  
 Bachelor of Science (Honours) in Computing in Internet Technologies  
 Bachelor of Science in Computing in Applications & Support  
 Bachelor of Science in Computing in Commercial Computing  
 Master of Science in Computing  
 Bachelor of Science (Honours) in Computing in Information Technology Management  
 Bachelor of Science in Computing in Software Development  
 Bachelor of Science in Computing in Software Development with German  
 Bachelor of Arts in Communications and Creative Media

## Engineering

Higher Certificate in Engineering in Civil Engineering  
 Higher Certificate in Science in Construction  
 Higher Certificate in Engineering in Electronic Engineering  
 Higher Certificate in Engineering in Mechanical Engineering  
 Bachelor of Engineering in Electronics - Product Development  
 Bachelor of Science (Honours) in Building Surveying  
 Higher Certificate in Engineering in Manufacturing Engineering  
 Bachelor of Science in Building Surveying  
 Bachelor of Engineering in Civil Engineering  
 Bachelor of Engineering in Electronics Management, Manufacture & Support  
 Bachelor of Engineering in Manufacturing Engineering  
 Bachelor of Engineering in Mechanical Engineering  
 Bachelor of Engineering (Honours) in Product Design Engineering  
 Bachelor of Science (Honours) in Quality Management  
 Bachelor of Science in Quality Management  
 Graduate Diploma in Quality Management  
 Master of Science in Quality Management

## Humanities

Bachelor of Arts in Applied Cultural Studies  
 Bachelor of Arts in Community Sports Leadership  
 Bachelor of Arts in Applied Social Studies in Social Care  
 Bachelor of Arts (Honours) in Cultural Resource Studies  
 One Year Certificate in English Language & Western Society & Culture  
 MSc in Future Communications in Creative Technologies  
 Bachelor of Arts (Honours) in Applied Music  
 Master of Arts/Science in Music Technology (Taught)

## Science

Bachelor of Science (Honours) in General Nursing  
 Bachelor of Science (Honours) in Mental Handicap Nursing  
 Bachelor of Science (Honours) in Psychiatric Nursing  
 Higher Certificate in Science in Applied Biology  
 Higher Certificate in Science in Food Science  
 Higher Certificate in Science in Applied Chemistry  
 Higher Certificate in Science in Environmental Monitoring  
 Higher Certificate in Science in Agriculture  
 Bachelor of Science in Environmental Monitoring  
 Bachelor of Science (Honours) in Food Science and Technology in Product Development  
 Bachelor of Science in Food Science and Technology

## 3.3 Enrolment Statistics

Student enrolment by Faculty/Year/Gender

School/Dept	Yr1	Yr2	Yr3	Yr4	Yr5+	Male	Female	Total
School of Business	419	301	259	143	0	459	663	1,122
Dept. of Humanities	199	108	55	34	0	164	232	396
School of Engineering	293	178	188	57	17	630	103	733
School of Science	181	139	92	5	0	82	335	417
Dept of Computing	155	105	108	61	0	321	108	429
<b>Totals</b>	<b>1,247</b>	<b>831</b>	<b>702</b>	<b>300</b>	<b>17</b>	<b>1,656</b>	<b>1,441</b>	<b>3,097</b>

## 3.4 Graduation November 2004

### 3.4.1 Graduation Prizewinners November 2004

Prize	Prizewinner	Course
Director's Prize for Excellence in Craft Studies	Hazel Harding	National Certificate in Professional Cookery
Director's Prize for Academic Excellence	Louise Corrigan	National Diploma in Business Studies (Mgt & Administration)
Director's Prize for Academic Excellence	Anita Bolton	BA Humanities (Cultural Resource)
Director's Prize for Academic Excellence	Caroline Traynor	National Certificate in Engineering - Civil
Director's Prize for Academic Excellence	Alan Kennedy	National Diploma in Engineering - Electronics Product Development
HETAC Student of the Year	Alan Kennedy	National Diploma in Engineering - Electronics Product Dev.
Peter Rice Medal Winner	Alan Kennedy	National Diploma in Engineering - Electronics Product Dev.
Director's Prize for Academic Excellence	Alan Rust	National Diploma in Computing Software Development
Director's Prize for Academic Excellence	Peter Morris	Bachelor of Science in Commerical Computing
Director's Prize for Academic Excellence	Caroline McDonnell	Bachelor of Science in Quality Management
Director's Prize for Academic Excellence	Lorraine Clarke	Bachelor of Science in Nursing (ACCS)

### 3.4.2 Conferring of Awards 2004 - Statistics

School of Business & Humanities	No of Students
National Diploma in Business Studies (Management & Admin)	137
National Diploma in Business Studies (Marketing with Language)	8
National Diploma in Business Studies in International Business	18
National Certificate in Business Studies (Management & Admin)	116
National Certificate in Business Studies Office Information Systems	32
Further Educational and Training Awards Council - National Certificate in Professional Cookery	22
Further Educational and Training Awards Council - National Certificate in Hospitality Skills	11
Further Educational and Training Awards Council - National Certificate in Reception/Front Office Skills	6
Master of Business Studies - Entrepreneurship & Marketing	4
Master of Business Studies by Research	1
Master in Business Administration	17
Bachelor of Business Studies	114
Bachelor of Arts in Accounting & Finance	54
Bachelor of Arts in Humanities - Cultural Resource Studies	27
National Diploma in Humanities in Applied Cultural Studies	15
National Certificate in Humanities in Community Studies	14
One Year Certificate in English Language & Western Society and Culture	19
<b>Total</b>	<b>615</b>

School of Engineering	No of Students
Bachelor of Science in Building Surveying	12
National Diploma in Construction - Building Surveying	42
National Diploma in Engineering in Civil Engineering	30
National Certificate in Construction	36
National Certificate in Engineering in Civil Engineering	46
Bachelor of Engineering in Product Design Engineering	19
National Diploma in Engineering in Electronics - Product Development	6
National Diploma in Engineering in Electronics - Manufacture & Service	11
National Certificate in Engineering in Electronic Engineering	16
National Diploma in Engineering in Manufacturing Engineering	4
National Diploma in Engineering in Mechanical Engineering	20
National Diploma in Technology - Manufacturing Technology	3
National Certificate in Engineering in Manufacturing Engineering	16
National Certificate in Engineering in Mechanical Engineering	10
<b>Total</b>	<b>271</b>

<b>School of Informatics, Music &amp; Creative Media</b>	<b>No of Students</b>
Bachelor of Science in Commercial Computing	34
Bachelor of Science in Computing in Information Technology Mgmt	33
National Diploma in Computing in Software Development	32
National Diploma in Computing in Software Development with French	4
National Diploma in Computing in Software Development with German	1
National Diploma in Computing in Applications & Support	44
National Diploma in Computing in Applications & Support with French	2
National Diploma in Computing in Applications & Support with German	1
National Certificate in Computing in Software Development	24
National Certificate in Computing in Applications & Support	34
National Certificate in Computing in Information Technology Support	8
National Diploma in Humanities Multimedia Communications	36
<b>Total</b>	<b>253</b>

<b>School of Nursing, Health Studies and Applied Science</b>	<b>No of Students</b>
Bachelor of Science in Food Science & Technology in Product Dev.	7
Bachelor of Science in Quality Management	10
National Diploma in Science in Food Science & Technology	4
National Diploma in Quality Management	24
National Certificate in Science in Environmental Monitoring	4
National Certificate in Science in Applied Biology	12
National Certificate in Science in Applied Chemistry	4
Bachelor of Science in Nursing (ACCS)	28
National Diploma in Nursing (ACCS)	14
National Diploma in Nursing (General Nursing)	52
National Diploma in Nursing (Mental Handicap Nursing)	25
National Diploma in Nursing (Psychiatric Nursing)	29
<b>Total</b>	<b>203</b>

**Total Graduates:****1,342**



## 3.5 Library

### Roof Garden

In March 2005 the Roof Garden, designed by Paul Martin, was opened. We look forward to all of the DkIT community using this space as it is an integral part of the Library.

### Events

**A diverse range of events was organized for 2004/2005 including:**

- |                         |   |
|-------------------------|---|
| <b>9 September 2004</b> | Finding our Voice - Touring exhibition from the Contemporary Music Centre - tracing the development of classical music in Ireland |
| <b>24 February 2005</b> | Olive Knox, National Gallery of Ireland - <i>The Effects of the Industrial Revolution on Nineteenth Century Painting</i>          |
| <b>7-11 March 2005</b>  | Library Ireland Week - the theme was The World of Dewey with an exhibition and response to the Unshelved Cartoon Series           |
| <b>8 March 2005</b>     | My Dream Library - discussion on the Library with input from students and staff   |
| <b>9 March 2005</b>     | Enrique, Juncosa, Director Irish Museum of Modern Art - <i>Words, Art and Poetry</i>  |
| <b>5 April 2005</b>     | Rita Ann Higgins, Galway Poet.  |

### Collections

In August 2005 the Library's Book Collection was c. 47,500 items. We had nearly 400 items donated, including several DVDs from the Film Club.

### Staff Changes

Patrick Hughes replaced Marie Barrett as Graduate Trainee, Sheila Tierney returned to the County Library and Denise Casserley and John King took career breaks in March 2005.

### Work Placements

Students from NTDI, O'Fiaich College, Dundalk Grammar School and Le Harvre University worked in the Library over the academic year.

### Training & Development

In Summer 2005 library staff had intensive training in preparation for delivering the re-structured Information Skills programme. Sessions on communications, lecturing and presentation skills, creative thinking and problem-solving, voice-coaching and managing stress were included.

### The Library Blog

Launched in December 2004, the DkIT Library Blog was one of the first in Ireland. It is a great way of getting information out to our users and helps us achieve a greater level of interactivity with students.

## 3.6 Lifelong Learning Centre

The impact of globalisation in Ireland is multifaceted. On the economic front, even in the current period of economic well-being, there is a growing anxiety about our capacity to hold position and to continue to attract international capital. The emergence of a multi-cultural Ireland in recent years challenges concepts of Irishness and identity. Even where valuable standards of living objectives have been obtained, issues of a quality of life nature tend to arise. For reasons such as these, there is a growing conviction that the demand for, and the role of, lifelong learning will become increasingly important into the future.

The main focus of the Lifelong Learning Centre (LLL) at Dundalk IT is to provide certified courses, where participants can benefit from the emerging ladder of progression in the wider education system. The Centre has set itself the following goals:

- Growth in numbers of part-time students;
- Growth in numbers and quality of courses;
- Increase corporate education and training provision;
- Increase community education and training provision;
- Professional accreditation for its courses.

During 2004/05 Lifelong Learning Centre part-time student numbers grew to 1,329, up 6% on the 2003/2004 enrolment total of 1,254 part-time students. By comparison in 1999/2000 our total was 471 (an increase of 182%).

The female/male ratio was 54/46, with the majority of students enrolled on Business, Humanities or Catering courses (742 students). In addition, 201 part-time students enrolled on engineering courses, 160 students registered on computing courses, 121 students signed-up for nursing courses and 105 students studied science, quality management and health and safety courses.

### Customised Education and Training

2004/2005 saw the LLC provide education and training services in health, management, community development, visual arts education for primary school teachers, tourism management, computer-aided design to organisations such as North Eastern Health Board, St. Patrick's College Drumcondra, Wavin and Louth County Council. The LLC co-ordinated an innovative cross-border training project during this period. Staff from five local government authorities (namely Louth County Council, Monaghan County Council Newry and Mourne District Council, Banbridge District Council and Craigavon Borough Council) were brought together for continuing professional development training. The project received funding from East Border Region's Interreg IIIa programme. The LLC also succeeded in advancing another of its key goals, that of fostering stronger ties with the regional community and voluntary sector. January 2005 saw the launch of the two-year Higher Certificate in Youth Work by An Taoiseach Bertie Ahern TD in Dublin. 25 youth workers from youth services organisations based all around Dublin enrolled on the course. The programme is run in conjunction with the City of Dublin Youth Services Board. The Lifelong Learning Centre offered a suite of 68 part-time courses during 2004-2005 as follows:

#### Business Studies and Humanities

Masters in Business Administration  
 Masters in Business Studies  
 Certificate in Business Studies  
 Diploma in Business Studies  
 Bachelor in Business Studies  
 CPA Accountancy  
 IATI Accounting Technician  
 IMI Certificate in Supervisory Management  
 IIPMM Certificate in Purchasing and Materials Management  
 IIPMM Diploma in Purchasing and Materials Management  
 Introduction to Marketing  
 Introduction to Human Resource Management

#### Humanities

Higher Certificate in Arts in Community Studies  
 Bachelor of Arts in Community Development  
 Higher Certificate in Arts in Borderland Studies  
 Bachelor of Arts in Borderland Studies  
 French Level 1 and Level 2  
 Advanced French Culture and Language  
 Spanish Level 1 and Level 2  
 Photography Level 1 and Level 2  
 Interior Design Level 1 and Level 2  
 Independent Film  
 Introduction to Music Theory

**Hospitality and Catering**

Gourmet Cookery

**Engineering**

Programmable Logic Controllers Level 1  
 Programmable Logic Controllers Level 2  
 Industrial Pneumatics  
 Basic Electrical Science Revision course  
 Phases 4 and 6  
 Welding for Beginners  
 Computer-Aided Design Level 1  
 Computer-Aided Design Level 2  
 Motorcycle Restoration

**Science, Quality Management and Health and Safety**

City and Guilds Certificate in Quality Assurance  
 Excellence Ireland Certificate in Quality Management  
 Excellence Ireland Diploma in Quality Management  
 Bachelor of Science in Quality Management  
 Bachelor of Science (Honours) in Quality Management  
 Graduate Diploma in Quality Management (with UL)  
 MSc in Quality Management (with UL)  
 NISO Foundation Certificate in Occupational Health and Safety  
 UCD Certificate in Safety and Health at Work  
 An Introduction to Sports Injury Management

**Computing**

Masters in Science in Computing  
 National Diploma in Information Technology  
 Support  
 Cisco Certified Network Associate  
 Computers for Beginners  
 Computers for the Older Person  
 ECDL & ECDL Advanced  
 Microsoft Excel  
 Microsoft Access  
 Project Management with MS Project  
 Web Page Design  
 Web Programming  
 Fasttrack to Macromedia Dreamweaver MX  
 Fasttrack to Macromedia Flash MX  
 Fasttrack to Macromedia Flash MX Actionscript  
 Fasttrack to Macromedia Fireworks MX  
 Introduction to XML  
 Adobe Photoshop Level 1 and Level 2  
 Programming Principles  
 Object Oriented Development  
 Visual Basic  
 MS Office Application Development with VBA  
 PC Maintenance  
 Small Business Network Administration

**Nursing**

Bachelor of Science in Nursing for RGNs  
 Bachelor of Science (Honours) in Nursing for RGNs

## 3.7 Delegation of Authority to make Awards

During 2004/2005 a HETAC International panel visited the Institute to appraise DkIT's application for Delegation to make Awards. The panel's findings went thereafter to the National Qualifications Authority of Ireland for ratification. The panel went through a rigorous analysis of all aspects of the academic quality management systems of the Institute and were satisfied that the Institute met the criteria for Delegation up to and including Level 9 of the NQAI Framework. The signing ceremony marking the achievement of Delegation of Authority took place on 4th October 2004.

## 3.8 Schools

### 3.8.1 School of Business & Humanities

The academic year 2004-2005 was one of change and development in the school. A restructuring of Institute schools resulted in two programmes (developed in Business & Humanities) moving to the School of Informatics, Music and Creative Media. The school continued with its roll-out of four new programmes at Level 6, 7 and 8.

Our international activity continued, where we made a significant investment in promoting DkIT as an educational destination for European and Asian students.

Student numbers were strong, with a slight reduction in total students and first year enrolments. This was due to the transfer of the two programmes to the School of Informatics, Music and Creative Media.

Examination results at award level showed little change from 2003-2004 with 84% of students gaining an award.

#### Key Performance Indicators

Student Numbers	2003/2004	2004/2005
<b>Total Full-Time</b>	<b>1677</b>	<b>1597</b>
Dept. of Business	678	552
Dept. of Humanities	380	380*
Hospitality Section	132	180
Dept. Mgt & Financial Studies	487	485
<b>1st Year Enrolment Figures</b>		
<b>Total Full-Time</b>	<b>690</b>	<b>656</b>
Dept. of Business	287	266
Dept. of Humanities	185	165
Hospitality Section	83	124
Dept. Mgt & Financial Studies	135	101
<b>Student Awards %</b>		
<b>Award Year Student No.'s</b>	<b>679</b>	<b>661</b>
First Class Honours/Distinction	4%	8%
2nd Class Honours Grade 1/Merit	17%	19%
2nd Class Honours Grade 2/Merit	34%	33%
Pass Award	28%	25%
<b>Programmes</b>		
Number of Full-Time Programmes	35	37
Number of Part-Time Programmes	2	3

\* In 2004/5 the BA in Communications Multimedia and the BA in Applied Music programmes were moved to the School of Informatics, Music and Creative Media; a transfer of 119 students.

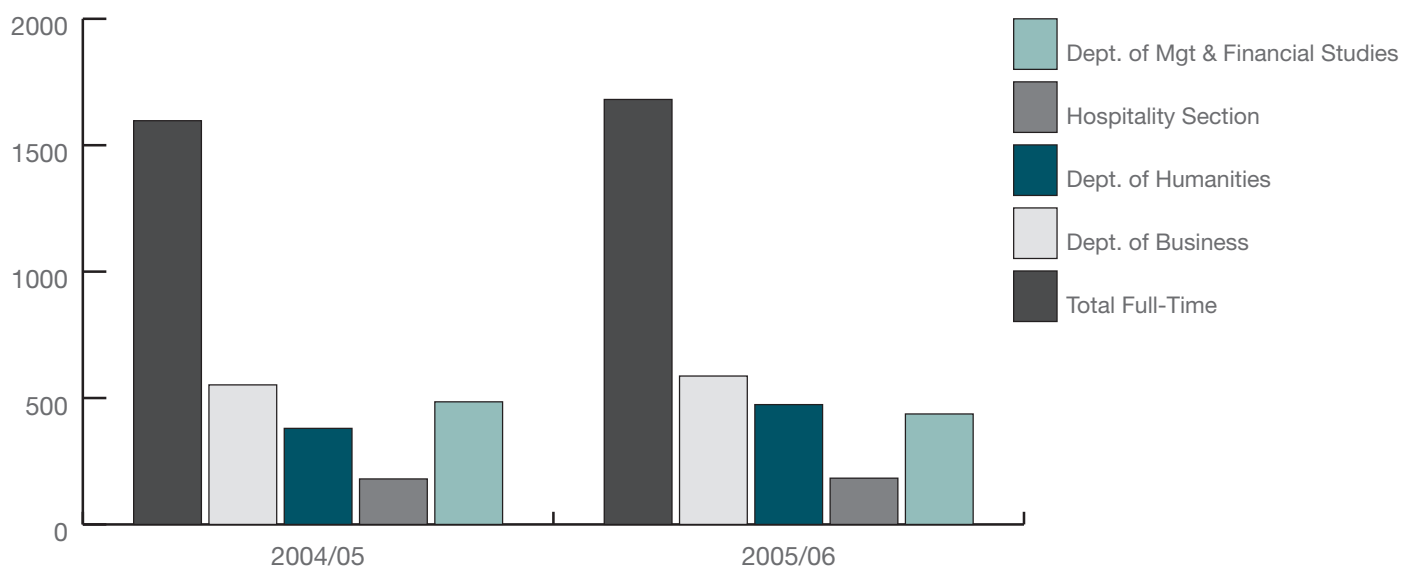
## First Year Enrolment by Programme

Programme	03/04	04/05
BA (Hons.) in Acc. and Finance	77	61
BBS (Hons) in Marketing	58	40
Cert.in Bus Eng. Lang. & WS&C	0	28
NC in Bus. St. in Mgt. & Admin.	216	189
NC in Business Studies in OIS	71	0
Higher Cert. in Business in OIS	0	77
BA in Applied Social Studies	0	34
ND.in Comm.Media (trf. to Info.'04) HH	50	0
BA in Comm. Sports Leadership	0	58
BA in Applied Cultural Studies	0	45
ND in Applied Social Studies	29	0
ND in Comm. Sports Leadership	32	0
BA In Applied Music (trf. to Info.04)	27	0
ND in Applied Cultural Studies	47	0
BBS in Event Management	0	22
BBS in Hospitality Management	0	19
ND in Bus Studies in Catering Mgt.	5	0
ND in Bus. In Hospitality Mgt.	15	0
Nat. Cert. in Professional Cookery	31	32
Nat. Cert. in Hospitality Skills	20	21
Nat. Cert. in Reception/ Front Off.	12	17
Nat. App. - Professional Cookery	0	13
<b>Total</b>	<b>690</b>	<b>656</b>

## New Programmes Validated

BA (Hons) in Public Relations  
 Bachelor of Business in Management & Administration  
 Higher Certificate in Business  
 BA (Hons) in Community Sports and Leadership

## Student Numbers



## 3.8.2 School of Engineering

### Transition to New Award Structures

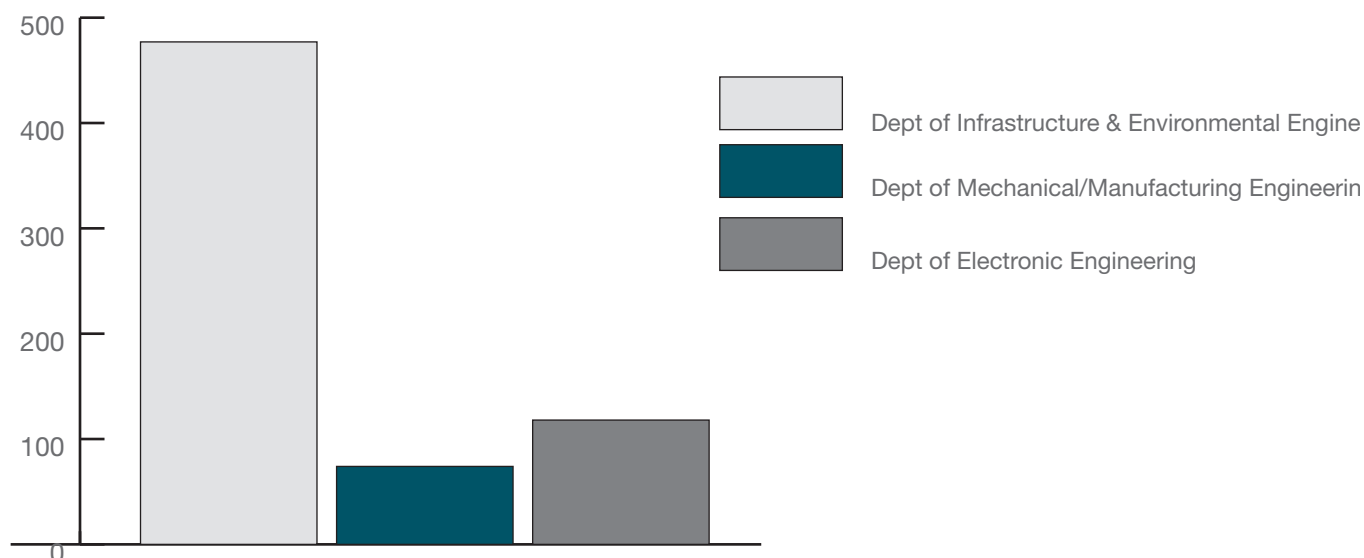
During the academic year 2004-2005, the School had just completed the process of Transition to New Awards, which involved mapping all of its courses onto the National Framework of Qualifications (NFQ). As a result, the School moved to phase out the old National Certificates, Diplomas and Degrees, and to introduce the new Higher Certificate, Ordinary Degree and Honours Degree awards. These were placed on the new NFQ at Levels 6, 7 and 8 respectively.

### New Programme Development

In line with the new award structures, the Department of Electronic and Electrical Engineering developed a new 3-year ab initio Ordinary Degree, the Bachelor of Engineering in Electrical and Electronic Systems. This new 3-year degree would replace the old National Diplomas in Electronics in Product Design and in Manufacture and Service. The new programme was fully modular in design and offered the student opportunities to select design, renewable energy, multimedia, automotive electronics, or electrical engineering as their major areas of study. It was validated late in the academic year and was rolled out in 2005 - 2006. This was the first of the new-style Ordinary Degrees to be offered in the School.

The School also developed a new Bachelor of Engineering in Building Services Engineering, which received validation towards the end of the academic year. A three-year ab initio programme, this was also in line with the Institute's policy on programme format and structure.

### Student Numbers 2004/2005 (School of Engineering)



## 3.8.3 School of Informatics, Music and Creative Media

The academic year 2004/05 saw the establishment of a new school, the School of Informatics, Music and Creative Media. This School offers a diverse range of programmes in the area of computing, multimedia and music. The School aims to blend together the technical and the creative, with a view to producing graduates with skills appropriate to the needs of tomorrow and in tune with the emerging global creative economy. The programmes on offer currently range from Internet Technologies, to Creative Multimedia, to Applied Music. The School is made up of two Departments: the Department of Computing and Mathematics and the Department of Music and Creative Media.

## Department of Computing and Mathematics

The Department offers programmes in all traditional aspects of computing, with themes ranging from software development to networking, as well as information technology support and management. We also offer programmes in gaming technology and other aspects of interactive media, as well as supporting many programmes throughout the Institute. Programmes attract a diverse set of people and are offered at various levels, with entry points to suit all students.

## Department of Music and Creative Media

Here there is a strong emphasis on music performance, technology education and multimedia production and the use of computing technology to integrate the wide range of communication media. Students will also be encouraged to develop the theoretical skills necessary to analyse critically the music, media and the information society, both in terms of its technological manifestation and its social impact.

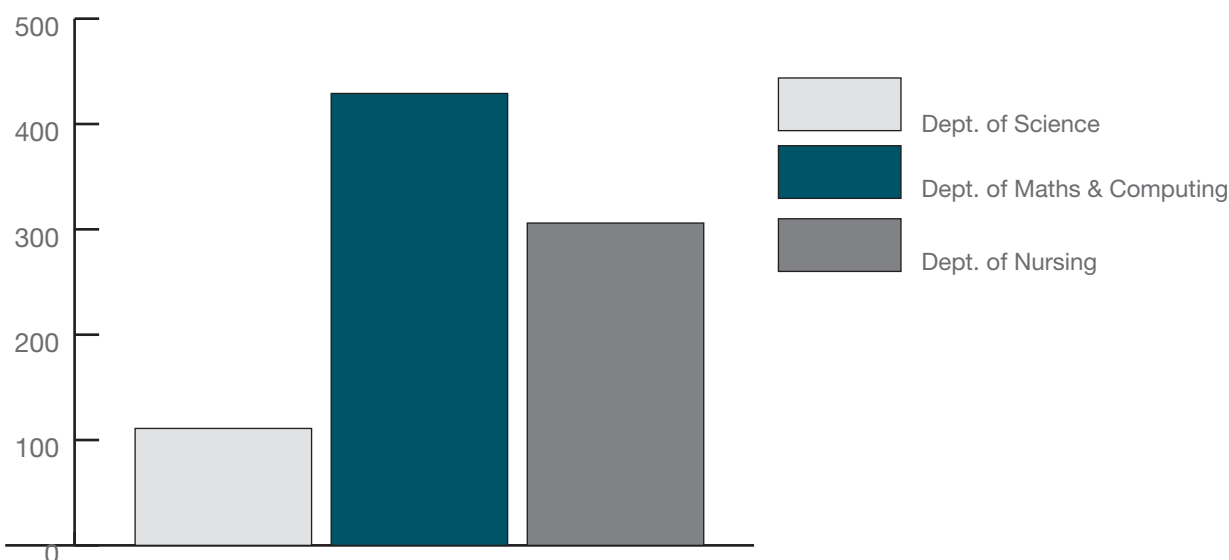
### 3.8.4 School of Nursing, Midwifery, Health and Applied Science

This academic year saw the establishment of the new School of Nursing, Midwifery, Health and Applied Science, with Dr. Siobhan O'Halloran as the new Head of School. This was as a result of a decision by Government to transfer pre-registration nursing education from hospital-based Schools of Nursing to third-level colleges.

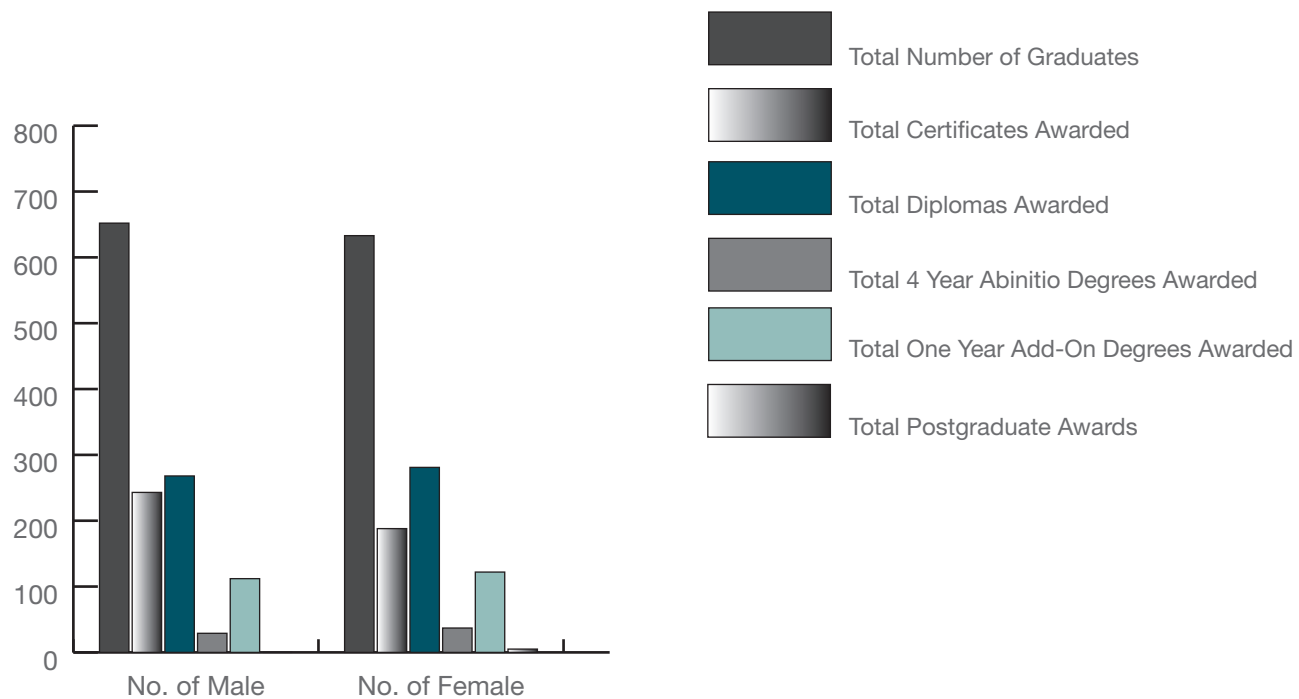
The School building is a new facility which will provide a state of the art facility for students to train and a major feature of the entrance to the building is a commissioned piece of art entitled "The Appetite of Gravity" by Artist Ellis O'Connell. The school comprises the following academic Departments, Section and affiliated Research Centres:

- ☛ Department of Nursing, Midwifery and Health Studies
- ☛ Department of Applied Science

### Student Numbers 2004/2005



## Graduation 2004/2005





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SECTION 4

# Developmental Activities

## 4.1 Campus Development

This report period has been one of significant progress in campus development. Following a pause nationally in Third Level Capital expenditure, the Minister of Education and Science published the report by the HEA Review Group on the prioritisation of capital expenditure in the Higher Education Sector in 2004. This was followed by the re-introduction of the Minor Works Devolved Programme in December 2004 and approval for DKIT of a €20 million capital funding programme to begin the refurbishment of the Carroll's facility to accommodate the School of Informatics, Music and Creative Media. During this period also, the Land Exchange project was finalised and work commenced on the new Restaurant Theatre Block in the Autumn of 2005, with completion expected in the Autumn of 2006.



The main Capital projects and their status over the annual report period may be summarised as follows:

Project	Value	Progress Update
<b>1. Land Exchange Project</b>	€8m	Development Agreement signed in Summer of 2005. Work commenced on Restaurant/Theatre building, Student Accommodation Block and Hotel development. Restaurant/Theatre for completion by December 2006, Student Accommodation completed in August 2006 and Hotel due for completion by September 2007. Other developments planned include Sports Centre, High-Tech office units and Student Services Centre. These projects are currently in design development stages and under discussion with the Developers, Fallstar Ltd.
<b>2. Nursing and Health Studies Building</b>	€15m	This 4,350m <sup>2</sup> modern facility to accommodate an undergraduate Nursing and associated programmes with funding from the Department of Health and Children was handed over in February 2005.
<b>3. Extension to the Regional Development Centre</b>	€2.6m	Funded by Enterprise Ireland and private sector sponsorship, this 750m <sup>2</sup> expansion to the RDC was completed in February 2005 and has provided 15 additional incubator units for high-tech, start-up enterprises as well as areas to accommodate R&D Centres and Tech Transfer programmes for Industry.
<b>4. Wind Turbine</b>	€1.2m	This project, the first of this scale to be located on a third-level campus in the world, was officially switched on in October 2005 by Minister Dermot Ahern. The 850kw unit will supply over half of DkIT's electrical energy needs.
<b>5. Crèche</b>	€3m	Design Development and Planning for a new stand-alone crèche is being finalised. A grant of €1m has been secured from POBAL/ADM and the Institute is seeking tenders and match funding to advance this project.
<b>6. Landscaping Programme</b>	€0.5m	A major landscaping programme, initiated in 2004 is nearing completion. The work will help integrate the original campus with the Carroll's site through a mix of landscaping approaches. It is hoped to complete the programme as part of the Carroll's redevelopment programme and in particular restore the Artwork and Water feature to the front of Carroll's.

## 4.2 Research, Development and Innovation

### (a) Research

During 2004/05 the Institute, through the Research Sub-Committee of Academic Council, has been implementing a range of internal Research support measures first introduced in 2001/02 to help build research capacity and capability in a range of strategic areas. The measures introduced include a Research Centre Designation programme, a Research Secondment programme, Research Seed Funding programme and Research Trainee Grant scheme. These programmes have assisted staff interested in growing research activity of importance to the Institute and the region and has led to the growth of increased postgraduate research activity. A number of Research Centres have emerged and have been formally designated.

These are:

- The Centre for Entrepreneurship Research ([www.entrepreneurship.com](http://www.entrepreneurship.com))
- The Software Technology Research Centre ([www.storc.ie](http://www.storc.ie))

In addition a range of other new Centres are emerging including:

- The Centre for Renewable Energy ([www.credit.ie](http://www.credit.ie))
- The Smooth Muscle Research Centre ([www.smoothmuscleresearch.org](http://www.smoothmuscleresearch.org))
- The Netwell Centre ([www.netwellcentre.ie](http://www.netwellcentre.ie))
- The National Centre for Freshwater Studies ([www.dkit.ie/NCFS](http://www.dkit.ie/NCFS))

In the period 2004/05 R&D income levels secured by Researchers and Centres was circa €3.5 million.

### (b) Incubation

A €2.6 million expansion to the Regional Development Centre, which has added 15 units for Innovative start-up enterprises, was completed in February 2005. The Millmount pilot incubator in Drogheda has also commenced activities. Together, both incubators are accommodating new start-up enterprises and Research & Development projects as follows:

### Regional Development Centre

Company/ Organisation Title	Activity
Meedja Ltd.	Developer of web-based games and applications. The company delivers high quality products in the areas of the web and CD-rom games, e-learning content management systems, television game show software and database-driven CDs.
Utopia Business Solutions Ltd.	Software design company specialising in the development of business software solutions that run on a variety of mobile devices.
Academia Media	Develops ICT educational products that make learning easy. The firm specialises in developing interactive tutorials and tests targeted at students in the final years of second-level and the first years of third-level.
Element Design	An innovative graphic design consultancy, specialising in Design, E-learning, Advertising and Marketing. In addition to design for print, they offer complete e-learning media solutions which include interactive graphics, engaging animations, 3D models and innovative training materials.
My Wise Home	Develops the software that supervises complex wireless networks in the home.
Ecotherm Environmental Solutions	Specialises in the design, build and installation of heat pump systems for homes and buildings. This includes new houses, retrofit for existing houses, as well as commercial and industrial buildings. Geothermal heat pumps use the earth's natural heat to warm your house or office.
Inspired Learning Systems	Designs, distributes and sells curriculum and sports-based entertaining educational multimedia products.

PERA	An international technology-based consulting and training group that provides businesses with the expertise to succeed, by developing ground-breaking technological solutions and implementing world-class strategies.
Big Mountain Productions	Television production company specialising in original format drama and factual entertainment for national, UK and worldwide markets.
The Cost Clinic	Developing cost optimisation software to enable companies to achieve reduction in input costs.
CoCo Ventures	Software company planning to create a new and unique internet-based product specifically designed for children. The product will be aimed at the 5-16 year age group and will initially be launched in Ireland and the UK.
The North South Exchange Trust	The NSEC works on behalf of the Department of Education Northern Ireland and the Department of Education and Science in Ireland. Their current remit is to make policy recommendations to the 2 Departments with regard to future North South youth and school exchanges and co-operative activities.
Oriel Windfarm Ltd	This is a sustainable and renewable energy company established to develop offshore windfarms in Ireland. The company's first project is the development of a windfarm in the North West Irish sea.
Brain Power	This company specialises in software that makes Maths easy. Their products are the most effective Maths e-learning applications on the market. Their mission is to make Maths accessible to everyone through technology.
Blueacre Technology	This company has been set up to develop novel methods to fabricate highly integrated vertical devices using next-generation laser source technology. The core application for these devices will be in the area of controlled transdermal drug delivery.
Mobiun Ltd	This company creates technology and solutions for mobile phone handsets for a number of major organisations.
Nestling Product	This is a collaborative initiative in the NE of Ireland, aimed at leveraging advances in sensor and home-based ICT technologies to enhance the quality of life and well-being of older people living independently in our community.
Dundalk Learning Network	A Department of Education & Science ICT Initiative from Schools IT 2000 under the auspices of the National Centre for Technology in Education. The project co-ordinates a number of ICT activities.

## Millmount Development Centre - Drogheda

Company/ Organisation Title	Activity
Armac Systems	This company specialises in developing and marketing inventory solutions software for the Aerospace and Maintenance sectors. Armac services global markets in the aerospace and industrial sectors.
Redmere Technology	This company aims to design and sell low power/high speed semiconductors for the video and multimedia markets.
Salix Software	This company develops software that will offer secure connectivity to computer services. The key technological and innovative aspects relate to the staleness of the architecture and the resulting mobility, simplicity and lower cost of operation.

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SECTION 5

Audited  
Accounts  
2005



## **Report from the Comptroller and Auditor General for presentation to the Houses of the Oireachtas.**

I have audited the financial statements of Dundalk Institute of Technology for the year ended 31st August 2005 under the Regional Technical Colleges Act 1992.

The financial statements which have been prepared under the accounting policies set out therein, comprise the Statement of Accounting Policies, the Income and Expenditure Account, the Balance Sheet, the Cash Flow Statement and the related notes.

### **Respective Responsibilities of the Institute and the Comptroller and Auditor General**

The Institute is responsible for preparing the financial statements in accordance with the Regional Technical Colleges Act 1992 and for ensuring the regularity of transactions. The Institute prepares the financial statements in accordance with Generally Accepted Accounting Practice in Ireland. The accounting responsibilities of the members of the Governing Body are set out in the Statement of Institute Responsibilities.

My responsibility is to audit the financial statements in accordance with relevant legal and regulatory requirements and International Standards on Auditing (UK and Ireland).

I report my opinion as to whether the financial statements give a true and fair view, in accordance with Generally Accepted Accounting Practice in Ireland. I also report whether in my opinion proper books of account have been kept. In addition, I state whether the financial statements are in agreement with the books of account.

I report any material instance where moneys have not been applied for the purposes intended, or where the transactions do not conform to the authorities governing them.

I also report if I have not obtained all the information and explanations necessary for the purposes of my audit.

I review whether the Statement on Internal Financial Control reflects the Institute's compliance with draft guidance, on corporate governance issued by the Department of Education and Science and report any material instance where it does not do so, or if the statement is misleading, or inconsistent with other information of which I am aware from my audit of the financial statements. I am not required to consider whether Statement on Internal Financial Control covers all financial risks and controls, or to form an opinion on the effectiveness of the risk and control procedures.

### **Basis of Audit Opinion**

In the exercise of my function as Comptroller and Auditor General, I conducted my audit of the financial statements in accordance with International Standards on Auditing (UK and Ireland) issued by the Auditing Practices Board and by reference to the special considerations which attach to State bodies in relation to their management and operation. An audit includes examination, on a test basis, of evidence relevant to the amounts and disclosures and regularity of the financial transactions included in the financial statements. It also includes an assessment of the significant estimates and judgements made in the preparation of the financial statements, and of whether the accounting policies are appropriate to the Institute's circumstances, consistently applied and adequately disclosed.

I planned and performed my audit so as to obtain all the information and explanations that I considered necessary in order to provide me with sufficient evidence to give reasonable assurance that the financial statements are free from material misstatement, whether caused by fraud, or other irregularity or error. In forming my opinion, I also evaluate the overall adequacy of the presentation of information in the financial statements.

### **Opinion**

In my opinion, the financial statements give a true and fair view, in accordance with Generally Accepted Accounting Practice in Ireland, of the state of the Institute's affairs at 31 August 2005 and of its income and expenditure for the year then ended.

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

**John Purcell**  
**Comptroller and Auditor General**  
22 December 2006.

## Extracts from Financial Report:

### Consolidated Income & Expenditure Account for the year ended 31st August 2005.

	NOTE	2005 Euro '000	2004 Euro '000
<b>Income</b>			
State Grant	1	18,789	18,019
Release from Capital Account	18	3,247	2,602
Tuition Fees	2	6,107	5,264
Student Registration Charges	3	2,841	2,574
Interest Income	-	172	4
Research Consultancy & Development	4	3,594	1,658
Other Income	5	<b>4,039</b>	<b>4,404</b>
		<b>38,789</b>	<b>34,525</b>
<b>Expenditure</b>			
Academic Departments	6	21,416	18,943
Academic Services	7	1,313	1,059
Premises	8	2,253	2,146
Central Administration & Services	9	3,665	3,973
General Educational Expenses	10	246	312
Student Facilities & Amenities	11	1,783	1,236
Research Consultancy & Development	4	3,853	1,647
Depreciation	15	3,263	2,31
Other	12	1,907	2,206
	13	<b>39,699</b>	<b>33,973</b>
<b>Operating Surplus/(Deficit)</b>			
Transfer to Restricted Reserve	26	(910)	552
		<b>(51)</b>	<b>(539)</b>
		(961)	13
<b>Accumulated (Deficit) at Start of Year</b>			
		(369)	(382)
<b>Accumulated Income/(Deficit) at End of Year</b>			
		<b>(1,330)</b>	<b>(369)</b>

Notes 1 - 34 form part of the financial statements.

## Extracts from Financial Report:

### Consolidated Balance Sheet as at 31st August 2005.

	NOTE	2005 Euro '000	2004 Euro '000
<b>Fixed Assets</b>			
Tangible Assets	15	<b>78,993</b> 78,993	<b>71,403</b> 71,403
<b>Current Assets</b>			
Stock		34	39
Debtors	16	2,031	3,842
Cash at bank and in hand		<b>2,801</b>	<b>1,347</b>
<b>Current Liabilities</b>		4,866	5,228
Creditors - Amounts falling due within one year	17	<b>(5,393)</b>	<b>(4,547)</b>
<b>Net Current Assets</b>		<b>(527)</b>	<b>681</b>
<b>Total Assets Less Current Liabilities</b>		<b>78,466</b>	<b>72,084</b>
<b>Net Assets</b>		78,466	72,084
Represented by			
<b>Reserves</b>			
Capital Account	18	78,989	71,368
Development Account	23	95	95
Income & Expenditure Account		<b>(1,330)</b>	<b>(369)</b>
Restricted Reserve	26	712	990
		<b>78,466</b>	<b>72,084</b>

Notes 1 - 34 form part of the financial statements.



