The President's Report 2005
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Welcome to the DCU Annual Report for 2005. The history of Dublin City University has been one of innovation and growth, and 2005 was no different. In this year DCU has won a number of significant research grants and contracts while continuing to create and deliver an innovative new curriculum.

Since its inception DCU has been a ‘renegade’ university, designed to be different, from the deliberately relevant nature of our undergraduate programmes, our INtegrated TRAining (INTRA) programme which provides industrial placements for all our undergraduates, through to the level and extent of our industrial research collaborations. In 2005 DCU continued to deepen its commitment to these objectives through innovation, entrepreneurship and new strategic appointments.
DCU’s 25th Anniversary Celebrations

Dublin City University began a year of celebration to mark the 25th Anniversary of a revolution in 3rd level education in Ireland that began in 1980. On the 11th of November that year, the first 190 students enrolled at the National Institute of Higher Education (NIHE), Dublin on the campus that was to become Dublin City University.

For the year, Ireland’s youngest University will celebrate a quarter of a century as the pioneering third level institution that broke the mould of higher education in this country. Now with over 9,000 students and 600 postgraduate research students, DCU has become a leading agent of change, constantly introducing new programmes of education to reflect the needs of a fast evolving Irish society, as well as providing world-class research and innovation.

Sunday Times ‘University of the Year’

DCU had a bumper year, as along with the anniversary celebrations we celebrated the Sunday Times ‘Irish University of the Year’ award for 2004/2005. The award assesses a range of qualities, including the academic calibre of entrants, exam results, research quality and the general robustness of the institution. The paper also referenced our unique student experience
and the university’s role on the regional, national and world stage.

A factor in this award was our €25m three year’s investment programme, which has developed DCU’s extracurricular facilities. Most of this development was financed through debt and by private donors, with support from the DCU Educational Trust.

Part of the reason for this accolade was that DCU attracted the most research per head of academic staff in Ireland. Not surprisingly, DCU had major successes in research, with the awarding of the largest single Science Foundation Ireland CSET (Centre for Science Engineering and Technology) award, for the Biomedical Diagnostics Institute (BDI). The BDI will be a multidisciplinary research institute focused on the development of next generation biomedical diagnostic devices.

Deputy President

2005 also saw the end of term for Professor Albert Pratt as Deputy-President. Previously he had served as Dean of Science, a member of the Academic Council, and as a member of the Governing Authority. From September 1999 to July 2000 Albert served as Director General (interim-President) of DCU before becoming Deputy President. Albert Pratt has had a long and distinguished history in DCU having been involved in the start-up of NIHE Dublin. After NIHE began he was appointed Principal Lecturer and Founding Head of Chemical Sciences. He has now returned to the School of Chemistry.

Leadership through Foresight

DCU also unveiled its new strategic plan ‘Leadership through Foresight 2006-2008’, which was launched by An Taoiseach Bertie Ahern in December 2005. This three-year plan is a radical move by an Irish university, and outlines a series of objectives and associated initiatives, many of which will be a ‘first’ in Ireland.

The university’s new Strategic Intent is “…to be a distinctive agent of radical innovation, within a culture of world class excellence in higher education and scholarship.”

Initiatives included in the plan are:
- A University Foresight Exercise to align the university’s own strengths in teaching and learning, research with both national objectives and international trends for the future
Continual reinvention of DCU’s education portfolio
The continued development and integration of cross-disciplinary academic themes and modules
Implementation of post-graduate student training, researcher development and industrial postgraduate internship
Research Assessment of the university’s research strengths
A Wider Community Engagement Strategy that will involve the university in varied projects and developments across the Northside of Dublin in particular, through the Academic Themes. This is DCU’s continuing commitment to the wider community and the development of activities to help the socially disadvantaged in society.

As part of this strategic implementation the university has committed to specific targets in non-traditional students, postgraduate research students and the number of new world-class experts brought into DCU or developed internally. The university strategy is complemented by the development of three key component strategies in Learning Innovation, Research and Wider Community Engagement.

All of these are also in support of DCU’s leadership role in Irish Higher Education – pioneering new teaching methods, internships for students, identifying and prioritising focused areas of world class research, actively recruiting students and supporting students from disadvantaged backgrounds, partners in urban renewal and economic development.

**Academic Themes**
In the first full year of operation, the Theme Leaders Office began to be firmly embedded within the strategic management structure, and decision-making processes of DCU. In particular, the Theme Leaders have played an important role in the elaboration of the Strategic Plan Leadership Through Foresight strategy. The Office is also responsible for the Wider Community Engagement Strategy.

**Equality Review**
Over 100 guests attended the launch in the Helix of DCU’s Equality Review and Action Plan. Mr Michael McDowell, TD, Minister for Justice, Equality and Law Reform, was guest of honour at the event, which was also attended by the DCU Chancellor, Ms Justice Mella Carroll, DCU President Ferdinand von Prondzynski, Ms
Sylvia Meehan, formerly of the Equality Authority, as well as representatives of SIPTU and the staff.

The Equality Report, prepared by the Director of Equality and the Equality Steering Group, has contributed towards DCU becoming a model institution. The Equality Review and Action Plan was funded by the Equality Authority.

**New Appointments @ DCU**

Professor Anne Scott, was announced as the new Deputy President of DCU. Previously she was Professor of Nursing and Head of the School of Nursing since September 2000. Prior to this Anne Scott worked as a Senior Lecturer in the Department of Nursing and Midwifery, University of Stirling. She has also worked as a lecturer in Glasgow Caledonian University and the University of Glasgow. Her research interests are in the philosophy and ethics of health care and in judgement and decision-making. Professor Scott has been appointed by the Minister of Health and Children (Ireland) to the Board of the Health Services Executive and the Board of the Health Research Board. She was also a founding member of the Irish Council for Bioethics and is a current board member of the European Academy of Nursing Science.

**Douglas Gageby Papers**

The family of Douglas Gageby – the distinguished editor of The Irish Times - has donated a significant collection of his papers to Dublin City University. The collection includes a selection from his personal library of books about Irish journalism and written by Irish journalists. It also includes personal copies of editorials written by him over many years on a wide variety of topics, many of them dealing with key national issues, during his 20 years as editor of The Irish Times. DCU is building up a foundation collection of historic papers and personal
materials of public figures in the Library. Over the years DCU has made a substantial contribution to the Irish media through our School of Communications, and this welcome donation by Douglas Gageby’s family will serve as an important resource for our students and other researchers in the future.

**Entrepreneurship @ DCU**

Ryan Academy for Entrepreneurship

October 2005 saw the launch of the DCU Ryan Academy for Entrepreneurship in Dublin’s Citywest Business Campus. The €7 m, single-storey, 1,000 sq metre, 18m high, titanium pod-clad landmark building containing two lecture theatres is the first academy for Entrepreneurship in Ireland. The Academy, launched by the Taoiseach Bertie Ahern, has been funded by the Ryan family in honour of their father, founder of Ryanair and other significant Irish ventures, and will form a vital element of the DCU business education programme. The foundation of the Academy demonstrates DCU’s strong connection with the business community and a clear university belief that entrepreneurial activity and development is vital for Ireland’s future prosperity and growth.

**Internationalisation**

DCU has been pursuing an ambitious internationalisation strategy, which features in the DCU strategic plan, Leadership through Foresight. Our priorities for this include the diversification of our student body, active research links with top-class universities worldwide and staff exchange. We are also seeking to take a leading role in the analysing and developing best practice in relation to the growing importance of migration and social integration in contemporary Ireland.

We plan to make DCU an example of a truly intercultural workplace through the ‘Intercultural Campus Initiative’ as part of the Wider Community Engagement Strategy. We continue to be committed to the development of Irish as a medium of innovation in a culturally diverse Europe.
Edward de Bono, called "the father of thinking about thinking", was appointed an Adjunct Professor by Dublin City University. Creativity - as the source of new ideas and initiatives - will play an important role as a wellspring of future regeneration of our economy and society. Professor de Bono will considerably enhance the University’s leadership in this critical area. Through a focus on creativity, DCU’s students will be well equipped to meet the challenges of change. The proposal was driven by the Academic Theme Leaders.

Professor de Bono will be an important "creative asset" for the DCU Ryan Academy of Entrepreneurship at CityWest, as well as for the university as a whole. His instruction in thinking has been sought by many business organisations over the years, including: IBM, Prudential, Shell, Exxon, NTT, Nokia, Bank of America, Union Bank of Switzerland and GM.
In July 2005 the Japan Foundation set up a National Japanese Language Resource Centre in DCU to provide support for teachers of Japanese at both second and third level institutions. This centre is the first of its kind in Ireland. Japanese is one of the major languages taught in many DCU degree programmes, provided by the School of Applied Languages and Intercultural Studies (SALIS).
DCU Student Numbers

DCU Students by Qualification Type

<table>
<thead>
<tr>
<th>Qualification Type</th>
<th>Full-time</th>
<th>Part-time</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Undergraduate</td>
<td>5,307</td>
<td>367</td>
<td>5,674</td>
</tr>
<tr>
<td>Postgraduate Research</td>
<td>477</td>
<td>69</td>
<td>546</td>
</tr>
<tr>
<td>Postgraduate Taught</td>
<td>699</td>
<td>1,100</td>
<td>1,799</td>
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<tr>
<td>Non Award Visitors</td>
<td>82</td>
<td>77</td>
<td>159</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>6,565</strong></td>
<td><strong>1,613</strong></td>
<td><strong>8,178</strong></td>
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<tr>
<td>Exchange Students</td>
<td>234</td>
<td>-</td>
<td>-</td>
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DCU Students by Faculty

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<th>Faculty Name</th>
<th>Full-time</th>
<th>Part-time</th>
<th>Total</th>
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<tr>
<td>DCU Business School</td>
<td>1,585</td>
<td>331</td>
<td>1,916</td>
</tr>
<tr>
<td>DCUBS / Salis</td>
<td>184</td>
<td>184</td>
<td></td>
</tr>
<tr>
<td>Engineering &amp; Computing</td>
<td>1,311</td>
<td>184</td>
<td>1,495</td>
</tr>
<tr>
<td>Humanities &amp; Social Sciences</td>
<td>1,388</td>
<td>458</td>
<td>1,846</td>
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<tr>
<td>Humanities / Computing</td>
<td>12</td>
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<tr>
<td>Non Award Visitors</td>
<td>224</td>
<td>24</td>
<td>248</td>
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<tr>
<td>Science &amp; Health</td>
<td>2,061</td>
<td>640</td>
<td>2,701</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>6,565</strong></td>
<td><strong>1,613</strong></td>
<td><strong>8,178</strong></td>
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DCU Distance Education (Oscail) Students

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<tr>
<th></th>
<th>Number</th>
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<tr>
<td>Undergraduate</td>
<td>916</td>
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<tr>
<td>Postgraduate Taught</td>
<td>165</td>
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DCU Students by Gender

<table>
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<tr>
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<th>Full-time</th>
<th>Part-time</th>
<th>Oscail</th>
<th>Total</th>
</tr>
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<tbody>
<tr>
<td>Male</td>
<td>3,244</td>
<td>654</td>
<td>505</td>
<td>4,403</td>
</tr>
<tr>
<td>Female</td>
<td>3,321</td>
<td>959</td>
<td>576</td>
<td>4,856</td>
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Non-Traditional Students - Numbers

<table>
<thead>
<tr>
<th>Number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Non-Traditional</td>
<td>841</td>
</tr>
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*Non-traditional students are full-time undergraduate students who are classified as Mature, Access or Students with a Disability.

International Students

<table>
<thead>
<tr>
<th>Full-time</th>
<th>% of Full-time</th>
</tr>
</thead>
<tbody>
<tr>
<td>International Students*</td>
<td>980</td>
</tr>
</tbody>
</table>

*International Students are defined as full-time (undergraduate and postgraduate) students or students on the Study Abroad Programmes with a Non-Irish Nationality. Nationalities used are those employed by the HEA and the CSO, as a result students from Northern Ireland are deemed Irish and consequently not International.

Entrepreneurship @ DCU

NFTE Ireland

NFTE Ireland was launched with the leadership of Irish entrepreneur Liavan Mallin, alumnus of DCU and member of DCU’s Governing Authority, and the support of the Irish Youth Foundation out of concern for Irish youth living in Ireland’s socially and economically marginalized communities.

The programme is being conducted by leading US youth agency, the National Foundation for Teaching Entrepreneurship (NFTE), in partnership with the Academic Theme Leader for Business and Innovation. Ms Mallin envisions that within the first three years, NFTE Ireland will have taught 1,000 disadvantaged students who have already dropped out of school or who have not developed well in the traditional education system.
Entrepreneurship @ DCU

Gas Sensor Solutions
One of DCU’s spin-out companies, Gas Sensor Solutions (GSS), has won the Seedcorn business competition regional award for the Dublin area. As well as winning the DCU Mallin Award, GSS has also made serious progress in delivering value to clients. The Tate Britain Gallery has agreed to use the technology from GSS to prevent the fading of its priceless paintings. Gas Sensor Solutions originally developed the technology to test oxygen levels in sealed packages without breaking into the pack. GSS is a spin-out from the National Centre for Sensor Research (NCSR).

New Programmes
DCU has continued its innovative approach to teaching and learning by accrediting and introducing a range of new courses across the faculties and schools over the last year:

- Certificate in Advanced Manufacturing Technology
- International Foundation Certificate
- BSc in Genetics and Cell Biology
- BSc in Athletic Therapy and Training
- Community Nursing pathway on the Bachelor of Nursing Studies
- Graduate Certificate in Community Interpreting
- Teastas/Diplóma do Chéimithe/MA sa Chleachtas Dátheangach/Graduate Certificate/Graduate Diploma/MA in Bilingual Practice
- Nanoelectronics and Photonics pathways on the Graduate Certificate/Graduate Diploma/MEng in Electronic Systems
- Urology pathway on the Graduate Diploma/MSc in Nursing
- Graduate Diploma/MSc in Counselling and Psychotherapy
- MA in International Security and Conflict Studies
- MSc in Finance and Capital Markets
- MSc in Software Engineering

The DCUBS Centre for Executive Programmes, which was initially a campus company known as Executive Education, became a unit within DCU Business School.
President’s Report 2005
Vibrant administration and support are vital to allow the academic community to deliver on its teaching and research agendas and to provide students with a supportive environment. DCU is no different, with dedicated staff who work directly with our faculties, schools and centres to ensure the best quality of service to both staff and students.

The University continues to develop innovation within the support units. For example, the Finance Department, working with the Computer Services Department and the Registry, introduced electronic payment facilities enabling the direct payment online of items such as fees by students. During the year a major project for Human Resources was the
development of a new HR system, as well as the implementation of new systems to support the management of Leave Records and Flexi-time processes.

We have sustained our focus on Campus Development. DCU has continued to develop and maintain the campus for staff, students and the community, through the hard work and dedication of the DCU Estates team. The Helix opened last year and has transformed the cultural life of suburban north Dublin. The Sports Club was extended with the provision of a 25 metre pool, fitness suites and spa facilities.

The continuing evolution of technology and knowledge management within DCU is an important part of our development. The Computer Services Department (CSD) provides Information & Communications Technology (ICT) based services and solutions to students, faculty, administration and staff. A significant proportion of the Department’s resources was absorbed in supporting and evolving the on-going computer systems and facilities during the year.

New Appointments @DCU

After an extensive international recruitment process Professor Luke Lee was appointed to a Chair in Microsystems at DCU to underpin key activities of the Biomedical Diagnostics Institute. Professor Lee is an internationally recognised researcher in the area of Microsystems and Bionanotechnology with an outstanding reputation for excellence and innovation in these rapidly growing fields. Professor Lee, who is currently at UC Berkeley, will have a major impact on Ireland’s research profile. He has made pioneering contributions in the areas of biophotonics, biochips, microfluidics and micromechanical systems.
Support for the academic activities and the student experience continued to be developed in Registry, Student Affairs and the Learning Innovation Unit during 2005. The Learning Innovation Unit launched a number of new initiatives in support of the implementation of the Learning Innovation Strategic Plan, one of the component plans of “Leadership through Foresight”.

These initiatives included:

The Thinking About Learning Lecture Series
A total of 14 lectures that addressed topics such as Reflective Practice, Assessment, Inquiry and Problem Based Learning and Activity Theory. The lectures were given by a mixture of DCU staff and invited speakers, most notably Professor Mercedes Fisher, Fulbright Scholar, Pepperdine University, California.

Requested Workshops
A number of tailored workshops in areas that included Assessment, Using Learning Outcomes and Implementing Bologna, were provided on request.

Moodle
A comprehensive survey of Moodle Usage, including its impact on teaching and learning, was conducted.

Pilot Initiatives
Through strategic funding and addressing the First Year Experience, two areas were selected for trial across the University: Small Group Teaching and Student Learning Agreements. Funding for additional resources, coupled with support from the LIU will enable a number of academic areas to trial a variety of initiatives under these headings with a view to improving the transition to Higher Education.
Problem Based Learning  
An intensive 2 day workshop on Problem Based Learning, addressing Curriculum Design, Teaching and Assessment, was attended by 20 staff in July, 2005.

Funded Schemes  
Existing schemes were continued and new Learning Innovation Projects were awarded. There was prioritisation of innovations to support the implementation of the strategic plan, with 14 innovation awards being made. Areas funded included the Use of Learning Styles Analysis with Engineering Students, tackling the Interdisciplinary nature of Science, Finglas for Diversity and an Interdisciplinary Initiative in Japanese, Multimedia and Translation.

Travel Scheme  
The learning innovation travel scheme was re-introduced and a number of awards have been made to enable individuals to attend educational conferences.

Faculty Developments  
The four DCU Faculties have continued to develop with the appointment of an Associate Dean of Teaching and Learning and an Associate Dean of Research for each of the faculties during 2005.

In addition to this, the Faculties have added Committees for Teaching and Learning, and Research to their structures. Both these Committees assist their respective Faculty Boards in the management of research and teaching.
activities and developments, and in implementing strategic Faculty initiatives with respect to research, and teaching and learning.

The School of Education Studies became part of the Faculty of Humanities and Social Sciences in 2005 contributing to the continuing growth of the Faculty.

Opening Access
The university actively seeks to attract students from disadvantaged areas by offering them direct entry places. The DCU Access programme was the first and is the largest in Ireland with the work of the DCU Access service now extending from primary to third level. DCU has extensively developed policies and programmes aimed at raising the educational aspirations of students and encouraging admissions from under-represented groups and schools over the last 15 years. DCU encourages applications from the over-23s who are categorised as mature students. There are also programmes to encourage ethnic minorities, refugees and travellers to study for a degree.

During 2005, President Mary McAleese launched a new North-South Access initiative at Dublin City University as part of the 15th anniversary celebrations of DCU Access programmes. The event took place in the Helix arts centre at DCU and was attended by DCU students and staff, as well as representatives of second-level schools from both sides of the border.

Innovation @ DCU

PAC System
DCU became the first institution in Ireland to give the opportunity to applicants to apply for postgraduate taught programmes on-line. This was a pilot project in which the Postgraduate Application Centre (PAC) in Galway collaborated with the DCU Registry and it has generated interest across the sector with other universities looking to follow DCU’s lead. A major benefit of the system is that it allows students to keep track of the status of their application through the PAC website.
Innovation @ DCU

Uaneen Module

DCU has continued its focus on the area of civic engagement/service learning through the rollout of the one-of-a-kind Uaneen Module, whereby DCU formally recognises and rewards the achievement of holistic education by accrediting a module in extra-curricular activities. The Uaneen Module is a unique scheme that formally recognises the work done and learning acquired by students with University and outside clubs and societies, and through community work and extra-curricular activity in general. These awards were named in memory of Uaneen Fitzsimmons, the late RTE presenter, who played an active role in society and campus life in DCU. Uaneen progressed from DCU to carve out a successful career in the entertainment industry before her untimely death in 2000. DCU is also collaborating on a HEA funded project to establish an Irish Service Learning Academy.

The special Leaving Cert Honours Maths entry requirement for Honours Degree engineering programmes can be a stumbling block for many students. In 2005 the School of Electronic Engineering offered an innovative new pathway called “Open Opportunities in Engineering” to provide a possible alternative entry route. Key features of the programme are additional help for the students to bring their mathematical standard up to the level required, and the fact that they are allowed to take up to two years to complete the first year stage of their programme.

Student Life

The DCU student body participated at the beginning of the anniversary year with a range of events held by DCU student clubs and societies, including a fashion show with the latest creations from prestigious Irish designer Anne Gregory, a martial arts
exhibition, drama, a snowboarding demonstration, debates, and a day of music.

The university also has over 100 societies and sports clubs, and students are actively encouraged to join in, with many of the activities available to them through the Students’ Union.

Life.dcu.ie is the home of DCU Students on the web and was launched during 2005. The site features news, event information, photographs and content submitted to the site by clubs, societies, the Students’ Union and individual contributions from thousands of DCU students. The site was funded by the Student Finance Committee and is a joint effort of the Sports Club Committee, the Students’ Union and the societies and publications, which work to fund and promote DCU clubs, DCU societies and the DCU Students’ Union.

**Sport**

DCU is committed to promoting sport on campus as a means of encouraging a holistic approach to student life. The university has continued to improve the facilities available to students, and has just opened its new University Sports Club. The University Sports Club is located at the centre of the main campus. It was set up to improve the whole spectrum of well-being and to create the optimum balance between health, fitness and relaxation. The facilities will be open to students, staff and outside members.
successes in 2005 including boxing, athletics, tennis, badminton, handball, swimming and soccer to name but a few. DCU will host the final stages of the Sigerson Cup competition in 2006.

**Work Experience for Students**

Most of DCU’s degree programmes include INTRA (INtegrated TRAining) which provides students with an opportunity to gain valuable experience in the workplace. This was an innovation pioneered by DCU and we continue to use this system as a way to increase the student experience for our undergraduates. INTRA integrates the academic work undertaken by the student with practical experience of the work environment.

The advantages to the student include the chance to gain a better understanding of the professional, commercial or industrial world, the ability to make realistic career decisions, and the development of confidence, maturity and human relations skills.

In addition to this, DCU is constantly looking at new ways to help our students acquire a direct experience of the working world. For example, a new internship programme has been introduced by the
School of Electronic Engineering and the School of Physical Sciences. Students will now have the opportunity to work two days a week for two years during their degree programme. This initiative allows the university and industry to work closely together to improve the relevance and quality of programmes offered. Industry can be assured of a future supply of highly qualified graduates who have skills relevant to the sector.

**Knowledge Resources**

The library building remains a landmark structure on the campus, and a showpiece for the university. The outstanding event for DCU library in 2005, as for the other IUA libraries, was the launch of the IReL initiative. This will deliver essential information in electronic formats to the growing DCU research community, and allow DCU researchers to compete with their national and international peers. The benefit is magnified in DCU because as a new library it does not have the historic collections of its Irish peers.

**New Appointments @ DCU**

Professor Chris Stevenson became Ireland’s first Professor of Mental Health Nursing at Dublin City University in September 2005. Professor Stevenson trained as a psychiatric nurse and was a community psychiatric nurse and facilitator of community mental health teams specialising in working with families.
Researchers in DCU have continued to secure research and commercialisation funding through a variety of sources including Science Foundation Ireland, Enterprise Ireland, the Health Research Board, IRCSET, the Marine Institute, EPA and the EU Framework programmes. DCU has also strengthened its research portfolio and collaboration with industry during the year. Both of these factors have led to the strong upward trend in research funding which the university has witnessed in recent years and in particular in 2005. There are four faculties at DCU, each focusing on key areas of research. While some research is exclusive to a particular faculty, other research calls for the expertise of other faculties, institutions and/or organisations, creating an interdisciplinary, national and sometimes international approach.

The DCU Research Strategy developed in 2005 has a focus on the prioritisation of translational research programmes that motivate and direct fundamental research towards societal applications in collaboration with leading knowledge intensive industries. DCU also promotes the development of research and development linkages with the indigenous SME sector.

**Research Centres in DCU**
- National Institute of Cellular Biology (NICB)
- National Centre for Sensor Research (NCSR)
- National Centre for Plasma Science and Technology (NCPST)
- Research Institute for Networks and Communications Engineering (RINCE)
- Biomedical Diagnostic Institute (BDI)
International Centre for Neurotherapeutics (ICNT)
Centre for the Advancement of Science Teaching and Learning (CASTeL)
Centre for Digital Video Processing
Centre for International Studies
Centre for Society, Information and Media
Centre for Translation and Textual Studies
Materials Processing Research Centre
National Centre for Language Technology
National Centre for Technology in Education
Centre for Bioanalytical Science
Vascular Health Research Centres
Centre for Management Learning and Development

**Key Research Statistics:**

![Research Income 2000-2005](chart)

In 2005, the Academic Theme Leaders launched a pilot module in Creativity and Discovery involving 100 students. This module is the beginning of a rollout of a series of modules in Innovation, leading to the offering of an Innovation minor. DCU will be the first University in Ireland to offer such a stream of modules as part of its curriculum.

DCU was awarded a number of large research awards during 2005:

**Biomedical Diagnostics Institute**
The Biomedical Diagnostics Institute (BDI) was established in October 2005 at Dublin City University, through an award of €16.5m from Science Foundation Ireland.

![Research Income by Source 2005](pie_chart)
(SFI) under its Centres for Science, Engineering and Technology (CSET) programme, in addition to a €6.5m contribution from industry partners.

The BDI is carrying out cutting-edge research programmes focused on the development of next-generation biomedical diagnostic devices. These devices, which will directly affect the quality of people’s lives worldwide over the coming decades, will be used in Point of Care applications as well as for self-test, home use. The availability of such personal-use, accurate and reliable diagnostic devices measuring indicators of major diseases will allow for life-threatening events to be detected long before a critical stage is reached, and will allow chronic diseases to be controlled more effectively. Patients will be empowered to take control over the management of their own health, improving the quality of their lives, reducing hospital stays and saving lives.

**Bristol-Myers Squibb**

With the support of IDA Ireland, Bristol-Myers Squibb will enter into a collaborative research programme with DCU (Dublin City University) and will locate a research team in the university. This proposal represents the first phase of a long-term research engagement by Bristol-Myers Squibb in Ireland, and will involve 32 researchers (25 academic and 7 Bristol-Myers Squibb researchers) collaborating in a research programme over four years. The total investment is €9.645m. The project will also be in collaboration with NUI Galway (National University of Ireland, Galway).

Upgrade of the DCU Research Support System through CSD included the development and integration of a bulk upload facility allowing batch uploads of publications into individual personal files. A major interface upgrade and application redesign took place, resulting in a more user friendly and functionally richer application.
December brought the news that in a rare outsourcing of research, Google has chosen DCU’s Adaptive Information Cluster (AIC) to take part in a project with two American universities, which is part of Google’s quest to make all information in the world searchable. This research could make invaluable manuscripts and rare historical documents – such as the Book of Kells, or George Washington’s personal diaries – available and searchable on the web for scholars and interested people worldwide. The DCU team, led by Professor Alan Smeaton and Dr Noel O’Connor, has internationally recognised expertise in video analysis and has applied this to making images of handwriting searchable.

**National Institute for Bioprocessing, Research and Training**

The Government approved a proposal from IDA Ireland to fund the establishment of a National Institute for Bioprocessing, Research and Training (NIBRT).

The new state-of-the-art Institute will be established by DCU and three other academic partners (UCD, TCD and Sligo IT). The proposed Institute will receive in excess of €72m over the next seven years in State support to establish its world class research and training programmes and a 9,000 sq. metre facility.

This facility will provide critical research and training facilities for bioprocessing technologies which will demonstrate that Ireland is determined to be a leading centre in this industry. It will also provide assurance for investors that Ireland will have the skill base to support key
biopharmaceutical research and product development. The new Institute will provide a substantial output of people across the spectrum of the bioprocessing skills, from those holding a PhD to technicians educated in industry best practices and a real time environment. It will also build up a substantial research team to undertake significant collaborative research between academia and industry to address the major technology issues of the bioprocessing industry.

Wyeth
Dublin City University and Wyeth announced a four-year research project in the production of biopharmaceuticals. The research project will receive €4 million from Science Foundation Ireland (SFI). The research will be undertaken at the National Institute for Cellular Biotechnology (NICB) at DCU in collaboration with Wyeth scientists at the Wyeth BioPharma Campuses at Grange Castle, Clondalkin, Ireland and Andover, Massachusetts, USA.

Wyeth and DCU will each contribute significant scientific resources and expertise to the collaboration, which will investigate the molecular basis of advantageous characteristics of Wyeth’s proprietary production cell lines and process technology. This project illustrates DCU’s focus on collaboration with, and support for, companies such as Wyeth which are important factors in Ireland’s economic development.

New Appointments @ DCU

DCU constantly seeks out the best researchers in our chosen fields of research. During the year under review we welcomed Professor Ian Marison. Professor Marison was appointed to the post of Professor of Bioprocess Engineering and Head of the School of Biotechnology in September 2005. Prior to this appointment he was employed at the Laboratory of Chemical and Biological Engineering of the Swiss Federal
Institute of Technology (EPFL). He was co-founder of Inotech Encapsulation AG, now Inotech Biotechnologies Ltd.

**Industry Linkages & Commercialisation**

The commercialisation and technology transfer aspects of the DCU Strategy are driven through the DCU enterprise and innovation centre - INVENT. The Taoiseach, Bertie Ahern, TD formally launched INVENT as DCU’s “Commercialisation Gateway” in July 2005.

As DCU’s “Commercialisation Gateway”, the INVENT Centre acts as the catalyst by which knowledge can be transformed into commercial success. The Office of the Vice-President for Research works closely with INVENT, to help provide the critical link between the university and the marketplace. It enables groundbreaking research to be translated into the innovation that is needed to drive Ireland’s development as a leading knowledge economy.

The focus on translational research has enabled DCU to increase its key indicators for commercialisation including patent applications.

The use of new technology is important to innovation and in association with the Computer Services Department a new Technology Transfer Database was implemented within INVENT during 2005.

**Humanities and Social Sciences Faculty Postgraduate Centre**

The Faculty of Humanities and Social Sciences launched a new Faculty Postgraduate Centre in 2005. Over 40 Faculty postgraduate students and
researchers are accommodated in the Centre with dedicated, open plan working and research space. The Centre provides a collaborative, interdisciplinary research environment for the benefit of humanities and social sciences researches based at the Faculty. It facilitates an enhanced potential for the generation of new interdisciplinary research projects, provides unique opportunities for the transfer of information and skills, and encourages networking between research students from different Schools in the Faculty.

**Major Conferences and Talks**

During 2005 DCU continued to lead the intellectual development both inside and outside the campus with a number of leading international conferences, including the following:

In March, Ms Sandy Thurman, CEO of International AIDS Trust and former Director of National AIDS Policy at the White House, gave a talk on "Fighting AIDS Together" in the Helix at DCU. Ms Thurman works with politicians and elected officials internationally to develop policies on AIDS. She was a guest of the DCU Education Trust which organised the event, which was co-hosted by the School of Nursing, the School of Communications, the School of Law and Government and the DCU Students' Union.

The Taoiseach, Bertie Ahern, TD, officially opened the "Beyond Access" conference at Dublin City University in June. It was organised by Get Ahead, the National Forum of Graduates with Disabilities, and DCU’s Disability Service. The conference examined the employment rate for graduates with disabilities and attempted to identify access issues which would help improve that rate. The conference was attended by over 150 delegates from third level careers services, disability organizations, architects and Dublin Bus, as well as employers and graduates. Speakers included Ms Anne Heelan, Director of AHEAD and Larry Swan of IBM.

The School of Communications co-hosted the first Irish Media Research Conference with the Dublin Institute of Technology School of Media, helping to raise the profile of media research more widely.

The Centre for Digital Video Processing (CDVP) at Dublin City University brought together experts in search engines to the University for a Summer School on Information Retrieval. These experts were from Research Institutes and Universities
throughout Europe and included a previous head of research at Google as well as those regarded as being the founding fathers of information retrieval. The European Summer School on Information Retrieval (ESSIR 2005) is a bi-annual event, which has previously been hosted in the UK, Italy and, before Ireland, France in 2003. This was Ireland’s first time hosting the event.

The EGAS Physics conference, one of the world’s most prestigious Physics conferences, was launched in DCU in August 2005. It was opened by Noel Treacy, TD, Minister of State at the Department of the Taoiseach with special responsibility for European Affairs. The “European Group for Atomic Systems” conference attracted 250 delegates from more than 35 countries around the world.

Finglas for Diversity
The Finglas for Diversity is a collaborative, practice-based research project the task of which is to explore and document the existing cultural, ethnic, linguistic and religious diversity in the Finglas area. The project is funded by the Finglas-Cabra Partnership and DCU. One of the objectives of the project is the provision of data, media artefacts, educational materials and events, which will highlight the research findings and promote diversity in the community.
President’s Report 2005
Awards

Research Awards
During the year under review, two leading researchers at Dublin City University were awarded the university's highest research distinction, the President's research award. The researchers, Dr Colum Kenny of the School of Communications and Dr Richard O'Kennedy of the School of Biotechnology, were presented with their awards by DCU President, Professor Ferdinand von Prondzynski.

The recipients in 2005 had played a particularly prominent role, not just within the university community, but in the broader social realm. Colum Kenny’s weekly contributions to the *Sunday Independent*, writing as a member of the university’s academic staff, cover a wide range of topics. They are a re-affirmation to students of the connection between theory and practice. From the science perspective, Richard O’Kennedy’s research is recognised internationally and he is an acknowledged world expert in the analysis of drugs, including aflatoxins and warfarins. He has also secured major funding from Irish, European and US agencies for buildings, equipment and infrastructure at DCU.

The presentation of the research awards is an annual event which acknowledges the serious commitment to the research aspect of academic life in the fields of Social Sciences and Humanities as well as Science and Engineering. The criteria for the awards are national and international prominence, the relevance of the research and the degree of excellence the researchers have achieved in their specialised area.
Dr Colum Kenny received the award in Humanities and Social Sciences for his research that has covered a wide range of fields in the humanities generally. Colum’s most recently completed research work is on the issue of conflict and reconciliation: he has been a member of the Council of the Glencree Centre for Reconciliation for a number of years. His research was endorsed by Sir John Baker, QC, Downing Professor of the Laws of England at the University of Cambridge who said that Dr Kenny’s book *King's Inns and the Kingdom of Ireland* has given us an authoritative and exhaustive account of the society which welded the Irish legal profession together.

Professor Richard O’Kennedy has played a prominent role in the development of the university for the last 25 years. His research in the field of immunology is internationally recognised, particularly in relation to antibody production and applications. He has developed novel strategies for antibody generation, including the use of antibody-derived fragments produced by genetic methods. He is an acknowledged world expert in “coumarins” which have a major significance in relation to drug metabolism, toxicity and as clinical agents.

**Teaching and Learning Awards**

The President of DCU, Professor Ferdinand von Prondzynski, presented his annual Teaching and Learning awards to DCU staff members who had made outstanding contributions to the teaching and learning mission of the university.

The award is made annually. Nominations are made by students and staff which are then adjudicated on by a panel appointed by the University Teaching and Learning Committee. The awards are also supported under the HEA Strategic Initiatives scheme.

One recipient of the 2005 awards was Eilish McLoughlin, lecturer in the School of Physical Sciences, and the second was a team of non-academics who are involved in the e-learning project “Moodle”. Jennifer Burke, Morag Munro and Denis Cahalane together provide both technical as well as pedagogical support for all users of the Moodle project, from academic staff to students, and outside agencies.

The goal of a university is not just to gain knowledge for its own sake, but to disseminate it for the benefit of its students within the university community, and for the benefit of those in the wider world. The
two awards in 2005 demonstrated DCU’s sense of commitment to this value. Eilish was nominated by her students for her extraordinary activities in the area of science outreach and student recruitment. Through her energy, enthusiasm, organisational talent and excellent communication skills, Eilish made a significant difference to many students, both within and outside DCU.

The “Moodle” team demonstrated that their contribution to teaching and learning does not stop in DCU. Their involvement in this new technology-rich teaching methodology has shown that Moodle is more than just another “teaching tool”. It has implications for the organisation of international conferences, the management of European projects and can be also used to improve internal communications.

Entrepreneurship @ DCU

Mallin Award
The DCU Mallin-invent business start-up award for 2005 was won by Gas Sensor Solutions (GSS), a spin-out company from the National Centre for Sensor Research (NCSR) at Dublin City University. Then in its third year, the award scheme, which is worth €60,000, attracted 50 entries. The purpose of the scheme is to encourage DCU graduates, undergraduates, researchers and staff to set up a company and to provide them with the support necessary to translate their idea into a viable business. Three companies were shortlisted for the 2005 award. The other two companies were Cluesivity Systems which is a technology company developing Digital Rights Management Solutions for the Enterprise, and Qualflow Systems which was established to provide remote clean-in-place and sensor systems for the food and beverage industries. According to the judges, chaired by Liavan Mallin, the short-listed companies in 2005 were chosen because they displayed superiority in terms of their product or service, their market opportunity, their competitive advantage, their marketing strategy and the strength of their team.
Membership of Governing Authority
### President’s Report 2005

<table>
<thead>
<tr>
<th>SECTION</th>
<th>NAME</th>
<th>Title</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chancellor</td>
<td>JUSTICE MELLA CARROLL</td>
<td></td>
<td>The High Court</td>
</tr>
<tr>
<td>Chief Officer</td>
<td>PROFESSOR FERDINAND VON PRONDZYSKII</td>
<td>President</td>
<td>Dublin City University</td>
</tr>
<tr>
<td>Senior Officers</td>
<td>PROFESSOR MARIA SLOWEY</td>
<td>Registrar</td>
<td>Dublin City University</td>
</tr>
<tr>
<td></td>
<td>MR MARTIN CONRY</td>
<td>Secretary</td>
<td>Dublin City University</td>
</tr>
<tr>
<td>Professors/ Assoc. Professors</td>
<td>PROFESSOR FARREL CORCORAN</td>
<td>School of Communications, DCU</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PROFESSOR JENNY WILLIAMS</td>
<td>School of Applied Language and Intercultural Studies</td>
<td>DCU</td>
</tr>
<tr>
<td>Other Academic Staff</td>
<td>MR WILLIAM KELLY</td>
<td>Lecturer</td>
<td>Dublin City University Business School</td>
</tr>
<tr>
<td></td>
<td>DR JANE HORGAN</td>
<td>Lecturer</td>
<td>School of Computer Applications, DCU</td>
</tr>
</tbody>
</table>
Non-Academic Staff:  
**MR PAUL SMITH**  
Computer Services Department, DCU

Student Representatives:  
**MS SARAH FARRELL**  
President  
Students' Union, DCU  
**MS YVONNE TUOHY**  
Education Officer  
Students' Union, DCU

Postgraduate Student:  
**MS SANDRA ROTHWELL**  
School of Computing

Employers, Trade Unions, Community Organisations:  
**MS MARGARET SWEENEY (IBEC Nominee)**  
Former Chief Executive  
Aer Rianta  
**MS SALLY ANNE KINAHAN**  
Director of Advocacy & General Services  
Irish Congress of Trade Unions

Ministerial nominees:  
**MS ANN COLEMAN**  
CDVEC Teacher (retired)  
**MR JOHN KEOGAN**  
Management Consultant  
**MS ANNE WHEATLEY (Deputy Chairperson)**  
Secondary Teacher  
Community School, Celbridge
Graduates:  
Mr SHANE BRODBIN  
eircom

Nominee of Local Authority:  
COUNCILLOR ANDREW MONTAGUE  
Dublin City Council

Nominees of DCU  
Educational Trust:  
MS LIAVAN MALLIN  
Chief Executive  
Shopdirect Group

Linkage Agreement with  
St Patrick’s College,  
Drumcondra:  
DR PAURIC TRAVERS  
President  
St Patrick’s College,  
Drumcondra

DR MAURICE O’REILLY  
Department of Mathematics  
St Patrick’s College, Drumcondra

MR SHANE DAVIS  
President  
Students’ Union  
St Patrick’s College, Drumcondra

Linkage Agreement with  
Mater Dei Institute of  
Education:  
DR DERMOT LANE  
President  
Mater Dei Institute of Education
Financial Report
## INCOME AND EXPENDITURE ACCOUNT
FOR YEAR ENDED 30 SEPTEMBER 2005

### INCOME

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Grants</td>
<td>33,426,112</td>
<td>33,734,015</td>
</tr>
<tr>
<td>Student Fees</td>
<td>31,775,609</td>
<td>27,391,562</td>
</tr>
<tr>
<td>Other Income</td>
<td>3,734,012</td>
<td>2,735,495</td>
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<tr>
<td><strong>Total Income</strong></td>
<td>68,935,733</td>
<td>63,861,072</td>
</tr>
<tr>
<td>St. Patrick’s College, Drumcondra</td>
<td>20,311,943</td>
<td>17,315,054</td>
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<tr>
<td>Mater Dei Institute of Education</td>
<td>3,788,495</td>
<td>2,937,324</td>
</tr>
<tr>
<td>Research Grants and Projects</td>
<td>34,399,223</td>
<td>27,622,634</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>58,499,661</td>
<td>47,875,012</td>
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</tbody>
</table>

### EXPENDITURE

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Faculties and Departments</td>
<td>41,034,370</td>
<td>38,507,318</td>
</tr>
<tr>
<td>Academic and Other Services</td>
<td>6,023,383</td>
<td>6,418,239</td>
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<tr>
<td>Premises</td>
<td>6,309,648</td>
<td>6,153,079</td>
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<tr>
<td>Amount Allocated for Capital Purposes</td>
<td>1,433,756</td>
<td>0</td>
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<tr>
<td>Central Administration and Services</td>
<td>9,510,944</td>
<td>7,885,306</td>
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<tr>
<td>General Educational Expenditure</td>
<td>574,969</td>
<td>450,002</td>
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<tr>
<td>Student Services</td>
<td>3,697,924</td>
<td>3,186,465</td>
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<tr>
<td>Miscellaneous Expenditure</td>
<td>1,134,650</td>
<td>599,000</td>
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<tr>
<td><strong>Total Expenditure</strong></td>
<td>69,719,644</td>
<td>63,199,409</td>
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<tr>
<td>St. Patrick’s College, Drumcondra</td>
<td>20,311,943</td>
<td>17,315,054</td>
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<tr>
<td>Mater Dei Institute of Education</td>
<td>3,788,495</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td>58,499,661</td>
<td>47,875,012</td>
</tr>
</tbody>
</table>

(Deficit)/Surplus on Activities before Amortisation of Capital Reserves and Grants and Depreciation of Fixed Assets

<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2004</th>
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<tbody>
<tr>
<td>(783,911)</td>
<td>661,663</td>
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Depreciation of Fixed Assets

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<tr>
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<th>2005</th>
<th>2004</th>
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<tbody>
<tr>
<td>(6,700,651)</td>
<td>(6,966,925)</td>
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**BALANCE SHEET**  
**AS AT 30 SEPTEMBER 2005**

<table>
<thead>
<tr>
<th></th>
<th>2005 Euro</th>
<th>2004 Euro</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIXED ASSETS</strong></td>
<td>210,790,057</td>
<td>211,510,595</td>
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<tr>
<td><strong>INVESTMENTS</strong></td>
<td>43,449,449</td>
<td>41,112,364</td>
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<tr>
<td><strong>CURRENT ASSETS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash on hand and at bank</td>
<td>3,929,087</td>
<td>688,609</td>
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<tr>
<td>Debtors and Prepayments</td>
<td>51,292,549</td>
<td>42,618,305</td>
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<tr>
<td>Stocks</td>
<td>277,752</td>
<td>311,164</td>
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<tr>
<td></td>
<td>55,499,388</td>
<td>43,618,078</td>
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<tr>
<td><strong>Less: CURRENT LIABILITIES</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creditors and Accrued Expenditure</td>
<td>65,923,376</td>
<td>40,479,002</td>
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<tr>
<td>Bank Overdraft</td>
<td>2,633,581</td>
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<tr>
<td>Bank Borrowings</td>
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<td>0</td>
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<tr>
<td></td>
<td>68,556,957</td>
<td>48,869,197</td>
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<tr>
<td><strong>NET CURRENT (LIABILITIES)/ASSETS</strong></td>
<td>(13,057,569)</td>
<td>(5,251,119)</td>
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<tr>
<td><strong>LONG TERM LIABILITIES</strong></td>
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<tr>
<td>Creditors due after one year</td>
<td>12,070</td>
<td>0</td>
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<tr>
<td></td>
<td>241,169,867</td>
<td>247,371,840</td>
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<tr>
<td><strong>REPRESENTED BY:</strong></td>
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<td></td>
</tr>
<tr>
<td>General Reserve</td>
<td>204,731,523</td>
<td>210,260,360</td>
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<tr>
<td>Restricted Reserve</td>
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<td>36,472,087</td>
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<tr>
<td>Revenue Reserve</td>
<td>(144,518)</td>
<td>639,393</td>
</tr>
<tr>
<td></td>
<td>241,169,867</td>
<td>247,371,840</td>
</tr>
</tbody>
</table>
Dublin City University  
Dublin 9  
Ireland  

Ollscoil Chathair Bhaile Átha Cliath  
Baile Átha Cliath 9  
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