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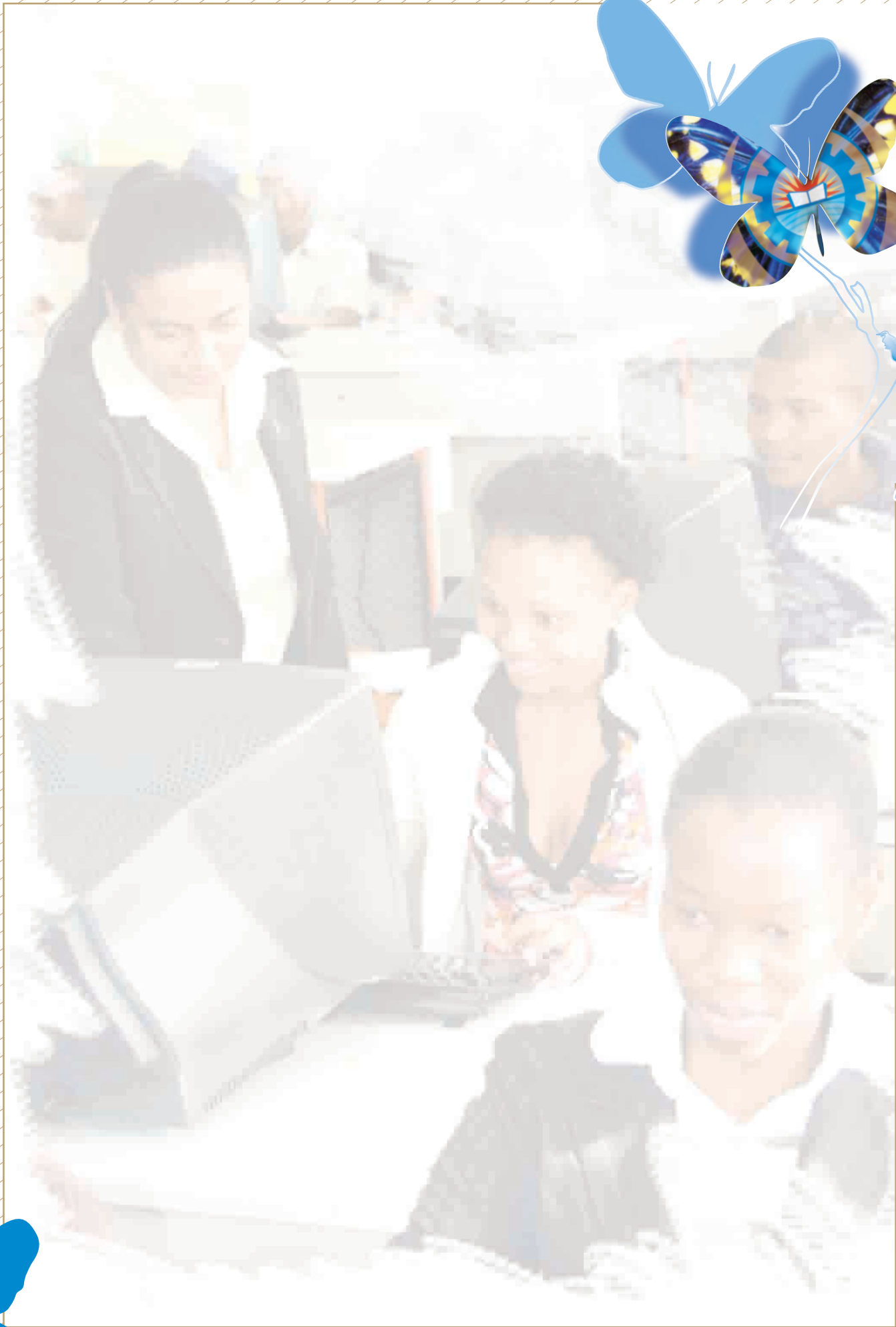
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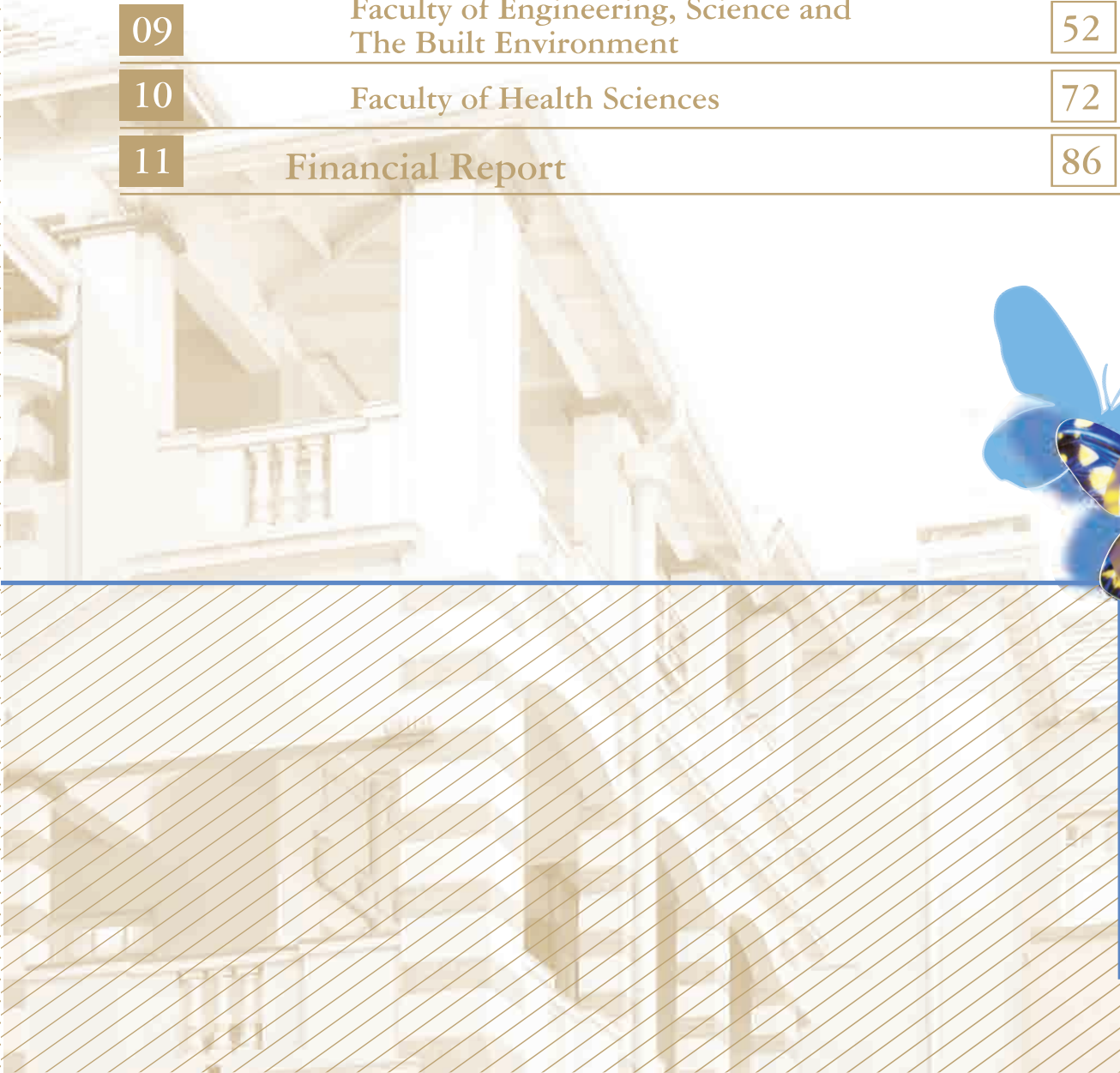






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Professor Jonathan D Jansen  
Administrator

## The Administrator's Report

As I settled into the seats of a public cinema with my family on a recent weekend in Pretoria, I was astounded to find that the opening advertisement carried one of the most sophisticated media placements I have ever seen, under the caption "The Durban University of Technology" (DUT). There, in full flight, was a dynamic presentation on the people and programmes of DUT, boasting sophisticated equipment, energetic staff, and excited students. I confess to a sense of pride and, more importantly, a sense of hope for a university that had its fair share of struggles and tears in the recent past.

Without question, 2006 was a difficult year for DUT. Following a damning Assessor's report and the formal dissolution of the highest decision-making body in a university, the Council, the Minister appointed an Administrator in August of that year. The task of the Administrator was to carry out the functions of a one-person Council, conclude a forensic audit, institute effective management practices, and eventually appoint a new Council.

Up to this point, DUT had suffered under poor governance and a compromised management. Governance had, in key areas, become indistinguishable from management; decisions that were taken were constantly contested; different constituencies were always in conflict; decisions were seldom made, and when made, often reversed. There were all kinds of questions within and outside DUT about the financial integrity of the institution; staff morale was at a dangerous low; and the public had a very negative impression about this recently merged university of technology.

I was told by virtually everybody I knew that this assignment as Administrator to DUT was an impossible task, that I would find the politics unbearable, and that there was no chance of 'turning around' such a large and complex institution. Nobody says that anymore. In fact, towards the end of 2006 it became very clear to me that ordinary people at DUT desperately wanted the institution to succeed; students wanted their degrees to matter; staff wanted to develop and become better teachers and researchers; secretarial and administrative staff were tired of indecision and uncertainty; and virtually everyone was involved in community service of one kind or another. This was certainly not a difficult task at all.

At the end of 2006, however, the Vice-Chancellor and Principal of DUT, Professor Bonganjalo Goba, decided to resign after many years of service to higher education and to DUT and one of its forbears, the ML Sultan Technikon. A humble and generous man, Professor Goba had steered the new institution through a very traumatic period; had it not been for his humanity, I have no doubt that things could have been much worse for the staff and students of DUT. He was a man of integrity, one who cared deeply about healing the divisions of race, ethnicity, gender and religion within DUT; in fact, Professor Goba spent much of 2006 dealing with these difficult issues. I salute his gentle giant, and thank him through these pages for his leadership during 2006.

Ironically, throughout 2006 there were constant reports in the media about the achievements of DUT students and staff. In the midst of all the institutional troubles, there were achievements in each Faculty as students won national awards, staff achieved higher degrees, and the National Research Foundation awarded prestige grants. Under difficult conditions, lecturers continued to teach, secretarial and administrative staff maintained operational systems, and the management of DUT tried, at considerable cost, to keep the university functioning.

I want to use this opportunity to really thank the staff and students of DUT for persevering during this turbulent academic year of 2006. I want to thank the SRC and the Unions for their invaluable support from the time of my appointment as Administrator. I am deeply grateful to the Institutional Forum for their considered advice and guidance during 2006. And I thank the university management under Professor Goba's tenure for creating an enabling environment in which the work of Administrator could be pursued.

The immediate future looks bright. The University has a new Chancellor in the highly respected person of Ms Ela Gandhi. A new Vice Chancellor and Principal will be appointed. A new Council will be instituted at the same time. New Faculties have been announced, and a new Strategic Plan is about to be adopted. The financial profile of DUT is healthy, and academic administration is on a sound footing.

Thank you once again to every member of the DUT community, whether you are a cleaner or a maintenance worker, a professor or a junior lecturer, a secretary or a director - all of you make this university one of the most promising institutions of higher education.

Professor Jonathan D Jansen  
Administrator



## The Vice-Chancellor's Report



Professor Bonganjalo C Goba  
Vice-Chancellor and Principal

A number of areas occupied our attention in 2006 which included the development of Operational Plans, matters of throughput, structural developments and significantly, matters of Institutional Governance. Overall, we are on the path to becoming an excellent University.

In terms of the Operational Plan, an important priority was an exercise to give effect to the notion of a "University of Technology" ultimately resulting in a newly formed type of institution distinct from its predecessor, the Technikon.

To this end we began a process of developing an Operational Plan. Through an inclusive process, the plan was produced and approved by the university. This plan seeks to address seven imperatives which are:

- Throughput
- Relevant Research
- Staff Development
- Student Experience
- Improved Management
- Community Partnership
- Enabling System

As the plans become operationalised, we will certainly be on our way to realising the goal of developing an outstanding university of technology.

### Throughput

Throughput continues to remain a significant challenge to the University and our performance is less than satisfactory. Strategies to improve the overall pass rates have been set in motion within all Faculties and Departments. Equally important is the work which the Centre for Higher Education and Development (CHED) is undertaking to assist Departments in meeting this particular challenge. Opportunities to allow students to engage in experiential learning need to be raised so that students qualify to graduate.

A growing trend is the substantial number of staff studying for their masters and doctorate qualifications. This, in itself, augurs very well as we will have appropriately qualified staff to propel research at the University. In the meantime, steady progress has been made in the focus research areas at the University and these include:

- Dynamical Systems Research
  - Sustainable Development - emphasis on eradication of poverty
  - ICT
  - Indigenous Knowledge Systems.
- Emphasis has also been placed on getting a critical mass of women researchers at the University.

### Structural Development

Specific attention has been paid to ensuring that we create and maintain facilities that are conducive for teaching and learning. The year under review saw several plans being put into place to improve our facilities. In particular, the revamping of student refectories, the planning of a student village, the refitting of air-conditioning in the S-Blocks on the Steve Biko Campus and the purchasing of a Bed and Breakfast facility for the Department of Hospitality Management Sciences. These were indeed sizeable projects being completed or in the planning phase.

Our need to maintain updated information technology facilities has resulted in the improvement of existing Computer Laboratories.

### Governance

Despite the core business of teaching and learning continuing to function well, during the year we suffered serious setbacks in the area of Institutional Governance, particularly the functioning of Council. This prompted the Minister of Education to intervene and dissolve the Council. Consequently Professor Jonathan Jansen was appointed as Administrator of the University. The Administrator quickly set about providing the University with the necessary Council leadership, resulting in a number of outstanding matters being dealt with expeditiously.

One important issue was the appointment of a full team of Executives that included Deputy Vice-Chancellor: Academic, Professor Slammert and Professor Gawe as Deputy Vice-Chancellor: Human Resources and Administration. Professor Ngcobo was also appointed to the post of Executive Director: Midlands.

I would like to thank all Council members for their work in the past, and in particular, Professor Jansen for his immense support.

Professor Bonganjalo C Goba  
Vice-Chancellor and Principal





## Council's Report on Corporate Governance



Mr Manoj Madanjit  
Deputy Vice-Chancellor:  
Financial and Information Services

The following statement is given to assist readers of the Annual Report to obtain an understanding of the governance structure and procedures applied by the Durban University of Technology's Council.

The Durban University of Technology (DUT) is committed to the principles of discipline, transparency, independence, accountability, responsibility, fairness and social responsibility as advocated in the King Report on Corporate Governance.

### The Council

DUT comprises academic and non-academic persons appointed by various constituencies in terms of the Statute of the Durban University of Technology, the majority (at least 60 per cent) of whom are neither employees nor students. The governance role of the Chairperson of the Council is separated from the management role of the Durban University of Technology's Chief Executive, the Vice-Chancellor. Matters reserved for decision-making by the Council are set out in the Statute of the Durban University of Technology, by custom and under the Higher Education Act, No. 101 of 1997 (the Act). The Council is responsible for the ongoing

strategic direction of the Durban University of Technology, approval of major developments and the receipt of regular reports from executive management on the day to day operations of university business.

The Council has several formally constituted committees with defined terms of reference and memberships comprising a majority of members external to the University. Of these the following are mandatory committees in terms of the University Statute:

### The Executive Committee which inter alia:-

- Acts on behalf of the Council in urgent matters with subsequent reporting to Council;
- Considers and makes recommendations to the Council on matters referred to the Council by Committees of the Council, the Senate and its Committees, the Executive Management, and the Joint Committees of the Council and the Senate, thus serving as a clearing house for the Council;
- Approves staff appointments, dismissals, transfers, promotions and demotions;
- Determines the conditions of service, salaries and job gradings of executive management;
- Makes recommendations to the Council on policy issues.

### The Finance Committee

The Finance Committee which, inter alia, recommends the Durban University of Technology's annual revenue and capital budgets and monitors performance in relation to the approved operating and capital budgets. It is responsible for assuring the financial health of the institution as a "going concern". It is also responsible for ensuring that the accounting information systems are in place and the personnel complement are maintaining the accounting records of the institution in good order.

### The Audit Committee

The Audit Committee, whose chairperson and members are specialists in the field. Both the internal and external auditors have unrestricted access to the Audit Committee, which ensures that their independence is in no way impaired. Meetings are held at least twice a year and are attended by the external and internal auditors and appropriate members of executive management. The Audit Committee operates in accordance with written terms of reference, confirmed by the Council, which provides assistance to the Council with regard to:

- Ensuring compliance with applicable legislation and the requirements of regulatory authorities;
- Matters relating to financial and internal control, accounting policies, reporting and disclosure;
- Internal and external audit policies;
- Activities, scope, adequacy and effectiveness of the internal audit function;
- Assessment of all areas of financial risk and the management thereof;
- Review/approval of external and internal audit plans, findings, problems, reports and fees;
- Compliance with the Code of Corporate Practices and Conduct;
- Compliance with the Durban University of Technology's Code of Ethics.

Following representations received by the Minister of Education, the Honourable GNM Pandor, MP, from a range of individuals and stakeholders from the University voicing concerns about tensions within the Council, the Minister, in accordance with the Act, appointed an independent assessor on 20 June 2006 to inter alia inquire into and report on the reason for the serious lack of confidence in the governance structures of the University and the apparent inability of the Council to address these matters including the blurring of the boundaries between governance and management.

Based on the recommendations of the independent assessor and in terms of section 41A of the Act the Minister appointed Professor J D Jansen as Administrator with effect from 12 August 2006, to:

- Take over the authority of the Council for an initial period of six months, with the possibility of an extension for a further six months;
- Identify and initiate processes and initiatives that restore proper governance and management at the University;
- Conclude the ongoing forensic audit of the University initiated by the Council; and
- Ensure that the University has a legally constituted Council.

Following his appointment, the Administrator held eight Council meetings with senior management in 2006. He also formed an Interim Expert Committee comprising three external experts to advise him on financial and human resource matters. This committee met three times in 2006.

### Conflict Management

A group of individuals has been identified and they are professionally qualified and experienced in mediation, arbitration and dispute resolution and are available to the Council to assist in the resolution of any disputes between parties within the institution with the objective of avoiding conflict. During the current year it was not necessary to call upon their services.

### Statement on worker and student participation (Co-operative governance)

The Durban University of Technology utilises a variety of participating structures on issues which affect employees and students directly and materially. These are designed to achieve good employer/employee and student relations through effective sharing of relevant information, consultation and the identification and resolution of conflicts. These structures embrace goals relating to productivity, career security, legitimacy and identification with DUT. An affirmative action programme forms part of DUT's training programme and business plan.

## Statement on internal administrative/operational structures and controls

DUT maintains systems of internal control over financial reporting and safeguarding of assets against unauthorised acquisition, use or disposition of such assets. Such systems are designed to provide reasonable assurance to DUT and Council regarding the preparation of reliable published financial statements and the safeguarding of DUT's assets. It includes a well documented organisational structure and division of responsibilities, established policies and procedures, which are communicated throughout DUT, and the careful selection, training and development of its people. Internal auditors monitor the operation of the internal control systems and report findings and recommendations to management and the Council. Corrective actions are taken to address control deficiencies and other opportunities for improving the system when identified. The Council, operating through its Audit Committee, provides oversight of the financial reporting process.

There are inherent limitations in the effectiveness of any systems of internal control, including the possibility of human error and the circumvention or overriding of controls. Accordingly, even an effective internal control system can provide only reasonable assurance with respect to financial statement preparation and the safeguarding of assets. Furthermore, the effectiveness of an internal control system can change with circumstances.

The Durban University of Technology assessed its internal control systems as at 31 December 2006 in relation to the criteria for effective internal control over financial reporting described in its Internal Control Manual. Based on its assessment, DUT believes that as at 31 December 2006, its system of internal control over its operational environment, information reporting and safeguarding of assets against unauthorised acquisition, use or disposition met those criteria.

## Statement on the Code of Ethics

The Durban University of Technology's Code of Ethics commits the Durban University of Technology to the highest standards of integrity, behaviour and ethics in dealing with all its stakeholders, including its Council members, managers, employees, students, customers, suppliers, competitors, donors and society at large. The Council members and staff are expected to observe the institution's ethical obligations in order to conduct business through the use of fair commercial competitive practices.

## Financial risks

Decisions on the level of risk undertaken are confined to the management committee that has established limits by transaction type and by counter party. Trading for speculative purposes is prohibited. All interest rate derivative transactions are subject to approval by the Director: Finance before execution. The university is adequately covered in terms of its insurance policy against fire and allied perils, business disruption, theft, money, fidelity, public liability, accidental damage, employer's liability.

## Management and controls of the consequence of risk

All potential risk consequences are identified and evaluated by the Audit Committee and management, and the conditions within which such risks arise are constantly controlled and monitored. Management, based on cost effectiveness analysis, employs methods of minimising adverse consequences. The management of such conditions are therefore, in place.



Mr Manoj Madanjit  
Deputy Vice-Chancellor: Financial and Information Services

## Contribution of the Institutional Forum



Dr Lavern Samuels  
Chairperson: Institutional Forum

The year 2006 has been quite a challenging and eventful period for the Institutional Forum (IF). In many respects it marked a significant growth in ability to make a positive contribution to institutional governance. There were a number of policies enacted and the IF played an important role in finalising the policy development framework. This was evident when finalising DUT's Institutional Rules in preparation for the appointment of a new Chancellor in 2007.

The IF was invited to serve on the Honorary Degrees Committee and several Sub-Committees of Senate. While this is more than just recognition for the hard work of its members, it also strengthens ties with constituencies and helps bring (democracy) co-operative governance closer to the people. Its presence is not limited to these but stretches to others such as the Institutional Planning and Physical Facilities Committees and many more where its views have been well received.

At an institutional level the Executive Management team was finalised with the appointment of two DVCs (Academic and Administration & Corporate Services). IF participated throughout on the Selection

Committees. This was preceded by the formalisation of the Operational Plan for which a team of consultants was hired for the implementation of the Operational Plan due to the Council's deadlines.

The IF then became a full member of the Task Team that participated in workshops to cascade the Operational Plan university-wide. In order to advance the objectives of the consolidation phase of the merger, the process was taken a step further with the drawing up of the Operations Implementation Strategy. This gave IF constituents an opportunity for commentary and constructive engagement with all stakeholders in the interest of supporting Management's efforts to build stronger relationships with the wider DUT community and broadening communication channels on policy and strategic matters, further consultative workshops and information-sharing meetings.

In addition to monthly bilaterals between the Chairperson of IF and the Vice-Chancellor, more formalised communication lines were established during the course of the year including quarterly Executive, Management - IF EXCO meetings. To ensure the implementation of the Higher Education (HE) Act and become more effective, constant liaison with the University Council and the Education Ministry have become standard practice. This was evidently clear when the Minister of Education, Naledi Pandor, scheduled consultations with the IF during her visit to the institution aimed at strengthening co-operative governance.

While the IF tried its best to despatch its responsibilities, as outlined in the Higher Education Act No. 101 of 1997, especially in areas of providing guidelines for national policy implementation, developing gender and equity policies and involvement in the appointment of senior managers, some of the functions still presented challenges. These include the following:

1. Fostering an institutional culture which promotes tolerance and respect for fundamental human rights and creating an appropriate environment for teaching and learning, and
2. Advising Council on the Codes of conduct, mediation and disputes resolution procedures.

These two aspects of the IF's advisory role to Council, though mechanisms exist to negotiate, seem to be inadequate as more effective ways of dispute settlement have still to be found. On the 'human rights' front and tolerance of cultural diversity more can still be done. In previous reports, mention was made of bold initiatives around areas such as:

- Institutional Healing
- Merging of cultures and
- Accommodation of diverse languages in the curriculum and social life of the university.

Throughout the year under review, the IF engaged all stakeholders in putting together project teams towards attaining the aims and objectives.

Dr Lavern Samuels  
Chairperson: Institutional Forum



Senate Report to Council: 2006



Professor Malcolm Wallis  
Deputy Vice-Chancellor: Academic (Acting)

Senate Report To Council

The year 2006 was undeniably a year of turbulence in which there was a high level of preoccupation with student unrest and issues of governance. Senate, however, responded well to these circumstances and put in place several measures to assist in the solution of the problems emerging. With Senate oversight, the work of the various faculties continued unabated and the graduation ceremony in the middle of the year was held successfully, although our graduation rate is still cause for concern. The faculties without exception took time to carry out strategic planning and to plan for restructuring, taking their cue from the institutional planning exercise that began in 2005. The four deans played a critical role in this exercise.

The academic sector, as instructed by council, was busy working with consultants on the operational plan for the university. This exercise was completed towards the end of the year and initial steps were taken by way of implementation. Other significant developments in 2006 were the introduction of the Teaching Development Grant scheme which is a

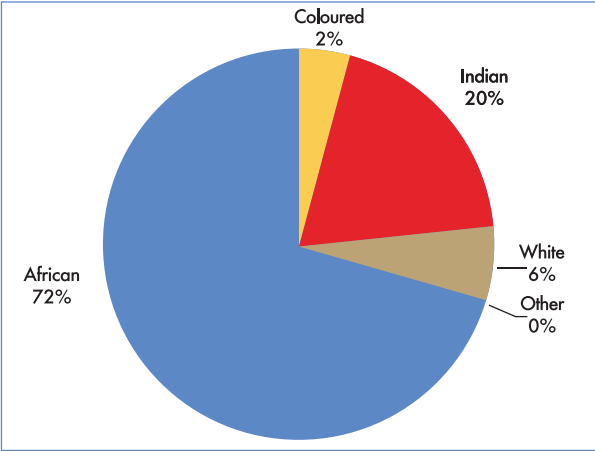
Department of Education initiative intended to fund attempts to improve teaching, and an in depth review of its role by the Centre of Higher Education and Development which is aimed at clarifying its mandate within the institution as a whole. It is also gratifying to note that academic staff were making serious attempts to improve their academic qualifications in the course of the year. Our Library continued to play a major role which included stepping up the availability of textbooks and increasing opening hours where feasible. This was much appreciated by the students. Availability of computers for student use was also enhanced in the course of the year.

By the end of 2006, under the guidance of the Administrator, Professor Jonathan Jansen, Senate and Executive Management, the academic sector stood poised to grow in strength thus enabling it to provide the kind of higher education expected of a university of technology.

Student Profile and Academic Success Rates

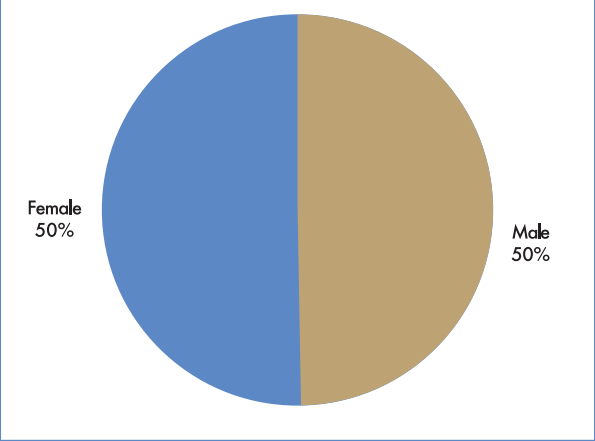
Composition and Size of students body - 2006  
Headcount Enrolment by Race

African	Indian	Coloured	White	Other	Total
16391	4428	381	1340	60	22600



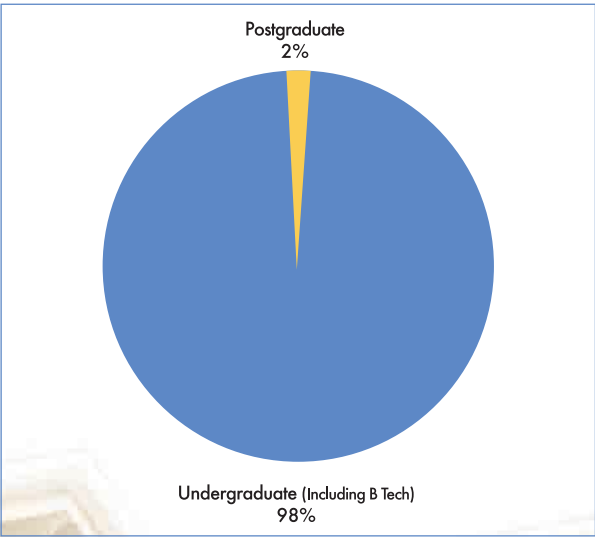
Headcount Enrolment by Gender

Male	Female	Total
11223	11377	22600



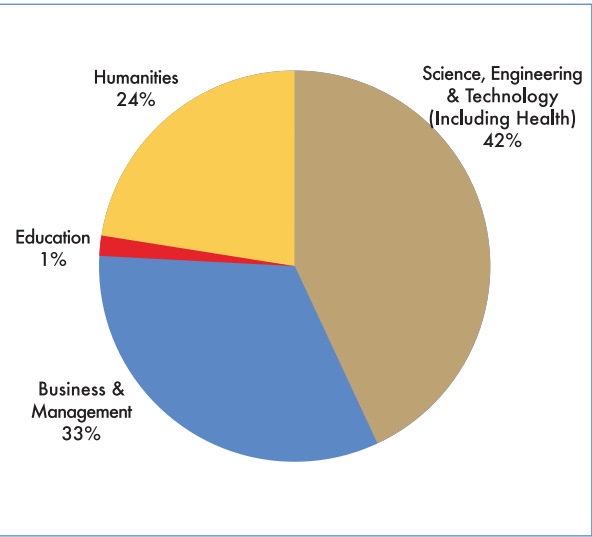
Undergraduate/Postgraduate Headcount

Undergraduate (Including B Tech)	Postgraduate	Total
22255	345	22600



Enrolment per Full-Time Equivalent

Science, Engineering & Technology ( Including Health)	7202
Business & Management	5545
Education	235
Humanities	4033
Total	17015



Report on Research

The 2006 Annual Research Report of the Durban University of Technology (DUT) provides stakeholders with a comprehensive overview on the status of research at the University. Over the past year, the University has been redefining itself as a University of Technology (UoT). With regard to research as a core function of universities, the emphasis at the DUT as a UoT is Applied Research and Research in Technology.

The National Research Foundation (NRF) of South Africa is one of the key funders of research at the DUT. The following Research Niche Areas (RNAs) were funded by the NRF in 2006:

- Water and wastewater technology;
- Appropriate design education for sustainable development;
- Materials design and manufacture;
- Dynamical systems research; and
- ICT and development.

Researchers from the following Departments participated in the above programmes:

Water and wastewater technology

Mr A Telukdarie - Department of Chemical Engineering  
Prof F Bux - Department of Biotechnology  
Mr F M Swalaha- Department of Biotechnology

Appropriate design education for sustainable development

Mr C T J de Beer - Department of Jewellery Design  
Prof I G Sutherland - Department of Graphic Design  
Mrs K L Wells - Department of Graphic Design

Materials design and manufacture

Prof P Y Tabakov - Department of Mechanical Engineering

Dynamical systems research

Prof K J Duffy - Department of Electronic Engineering  
Dr P Govender - Department of Electronic Engineering  
Dr R Naidoo - Department of Mathematics  
Prof S Moyo - Department of Mathematics

ICT and development

Prof T Nepal - Department of Information Technology  
Ms T F Jacobs - Department of Financial Accounting

The NRF’s Thuthuka Programme is a programme which supports researchers in the categories of (i) Researchers in Training, (ii) Women Researchers and (iii) the Research Development Initiative for Black Academics (REDIBA). Researchers from the following Faculties were funded in the Thuthuka Programme:

Faculty of Arts

Dr P Singh - Department of English and Communication  
Ms P Powell - Centre for Higher Education  
Dr S McKenna - Centre for Higher Education  
Ms A Hlengwa - Centre for Higher Education

Faculty of Commerce

Prof J Raju - Department of Library and Information Studies  
Ms M Mhlongo - Department of Library and Information Studies

Ms M Reddy - Department of Governmental Studies  
Ms M Maharaj - Department of Marketing  
Ms P Naidoo - Department of Sport Management  
Ms R Rampersad - Department of Public Relations  
Ms V P Rawjee - Department of Public Relations  
Mr S Chetty - Department of Management

Faculty of Engineering, Science and the Built Environment

Prof B Odhav - Department of Biotechnology  
Dr K Permaul - Department of Biotechnology  
Mr P Mokoena - Department of Biotechnology  
Prof S Singh - Department of Biotechnology  
Mr V Mohanlall - Department of Biotechnology  
Prof N Deenadayalu - Department of Chemistry  
Dr R Gengan - Department of Chemistry  
Ms T Singh - Department of Chemistry  
Prof V Bisetty - Department of Chemistry  
Mr S Ramsuroop - Department of Chemical Engineering  
Dr T Padayachee - Department of Food Technology  
Mr D Singh - Department of Physics  
Ms S Mistry - Department of Mathematics

Faculty of Health Sciences

Ms A Razak - Department of Postgraduate Nursing Studies  
Ms P Reddy - Department of Environmental Health  
Dr R Bhagwan - Department of Child and Youth Development

A total of R 7 million rand was used to fund all of the researchers listed in the above NRF programmes. The NRF also funded a Research Focus Area titled Indigenous Knowledge Systems. Prof. Joan Conolly was the recipient of this grant. Mr F D’almaine received a multimillion grant from the NRF’s THRIP fund and the Department of Science and Technology (DST). Funds for water research were also received from the Water Research Commission and Vulamanzi.

As a developing research institution, the DUT continued with numerous interventions to address capacity building in research. These were made possible through a Research Development Grant received from the Department of Education (DoE). Capacity building initiatives included, inter alia, providing funds for:

- Seed grants;
- Major capital research equipment;
- Visiting researchers;
- Postdoctoral fellowships;
- Hosting of national and international conferences;
- Participation in national and international conferences;
- The women in research initiative; and
- Publications writing workshops.

An amount of R 500 000-00 was allocated to the Women-in Research initiative. The focus of this intervention was to fund those women researchers at the DUT who were towards the latter half of their masters and doctoral degrees to fast track completion. In many instances lecture relief was provided. The following women researchers were supported:

Ms C Giampieti - Department of Architectural Technology  
Ms B Choonawala - Department of Biotechnology  
Ms M Chetty - Department of Chemical Engineering  
Dr J K Adam - Department of Clinical Technology  
Ms A Pillay - Department of Electronic Engineering  
Ms D Pratt - Department of English & Communication  
Ms P Reddy - Department of Environmental Health  
Ms K Wells - Department of Graphic Design  
Ms K Corbishley - Department of Marketing  
Prof S Moyo - Department of Mathematics  
Ms P Naidoo - Department of Public Relations  
Ms V Rawjee - Department of Public Relations  
Ms D Veerasamy - Department of Public Relations  
Ms P Naidoo - Department of Sport Management  
Ms N Foster - Department of Town & Regional Planning



The objective of providing Seed Grants was to assist those researchers who were embarking on research for the first time.

The following researchers received Seed Grants of up to R 10 000-00 each:

- Mr G Bass - Department of Dental Services
- Ms D Whelan - Department of Architectural Technology
- Ms. L. Harrison – Centre for Higher Education Development
- Ms M N Sibiya - Department of Postgraduate Nursing Studies
- Mr J D Pillay - Department of Human Biology
- Ms F Ally - Department of Human Biology
- Ms J Ducray - Department of Human Biology
- Mr S Mdletshe - Department of Radiography
- Mr G A Thurbon - Department of Mechanical Engineering
- Mr A van der Merwe - Department of Applied Management
- Mr Y Pillay - Department of Emergency Medical Care and Rescue
- Ms D Njozela - Department of Education
- Ms R L Makhubu - Department of Language and Translation

Major capital equipment grants of up to R 100 000-00 each were awarded to:

- Prof P Tabakov - Department of Mechanical Engineering
- Prof F Bux - Department of Biotechnology
- Mr F Swalaha - Department of Biotechnology
- Dr K Permaul - Department of Biotechnology
- Prof S Singh - Department of Biotechnology
- Dr T Padayachee - Department of Food Technology
- Prof B Odhav - Department of Biotechnology
- Mr C De Beer - Department of Jewellery
- Mr R Govender - Department of Civil Engineering

A total allocation of R118 722-00 was made to researchers for participation in 34 local conferences. A total allocation of R467 162-00 was made to researchers for participation in 29 international conferences.

The number of NRF-rated researchers at the DUT increased from 9 in 2005 to 12 in 2006. The number of Postdoctoral Fellows increased from 3 in 2005 to 7 in 2006. Seventy two (72) members of staff are currently studying for their masters degree of which 30 are male and 42 are female. Of these, 22 are Black, 35 are Indian and 15 are White. Fifteen (15) members of staff are currently reading for their doctoral degrees of which 7 are male and 8 are female. Of these, 4 are Black, 1 is Coloured, 7 are Indian and 3 are White. A total of 340 masters and doctoral students were registered in 2006 of which 302 were masters students and 38 were doctoral students. Of the masters students 79 were from the Faculty of ESBE, 19 from the Faculty of Arts, 60 from the Faculty of Commerce and 144 from the Faculty of Health Sciences. Of the doctoral students 20 were from the Faculty of ESBE, 12 from the Faculty of Arts, 4 from the Faculty of Commerce and 2 from the Faculty of Health Sciences.

Research output is critical to the sustainability of research at the DUT. Peer-reviewed research publications increased from 20.18 DoE units in 2005 to 29.9 DoE units in 2006. There were three book submissions to the DoE in 2006 compared to zero submissions in 2005. Full-length conference proceedings increased from 12 in 2005 to 21 in 2006.

In documenting the interface between research at the DUT and the communities we serve, the Centre for Research Management and Development (CRMD) launched a Special Bulletin titled “A Review of Research and Community Engagement at the DUT” at the Durban International Convention Centre. Research departments and community partners were publicly acknowledged for the relevance of their research and their contributions to meeting regional needs. The CRMD continues to use its in-house newsletter titled RE@D (Research at the DUT) to communicate on a regular basis all research-related matters to both internal and external stakeholders.

The DUT would continue to reflect on its positioning as a UoT. Research would specifically be directed at meeting regional and national imperatives through the application of technologies developed at the DUT with a view to poverty eradication and community upliftment. However, since research is a continuum and one cannot have applied research if one does not have any research to apply, it is critical that at least 20% of research at the University would

Co-operative Education

The Experiential Learning Policy has been approved by Senate. There has been a progressive increase in the number of companies that consider DUT students for Work-Integrated Learning (WIL). The Co-operative Education Unit dealt with 375 companies in this regard. This figure does not take into account casual placements and placements handled by the academic departments. Several of the Health Science departments, for example, have ongoing agreements with the Health sector to provide students on a regular basis.

Collaborations

SETAs There have been increased referrals from the SETAs. The Co-operative Education Unit also hosted a workshop with the SETAs in June 2006. This was co-ordinated by Paul Ramjugernath, the Industry Liaison Manager in Engineering and Commerce. Now that the SETAs are funding WIL or experiential learning, more companies are engaging students.

JIPSA (Joint Initiative on Priority Skills Acquisition) The Co-operative Education Unit also responded to JIPSA. The Deputy President is committed to addressing the backlog of students that have not yet been placed for Work-Integrated Learning (WIL) and consequently cannot qualify. At her request, several multinational companies increased the number of students that they were accepting. Statistics provided to the JIPSA office clearly indicated that it is only three departments that have had a backlog of students. Zama Hlubi of the Co-operative Education unit managed this interaction with the JIPSA office.

ABASA The Co-operative Education Unit is increasingly working with student groups, e.g. the Association of Black Accountants of SA (ABASA), DUT Branch. ABASA and Co-operative Education jointly hosted a workshop for over 600 accounting students with people from various accounting and auditing firms engaging the students. As part of its work-preparedness programme, Co-operative Education is increasingly exposing students to people from the workplace and in the workplace. It is hoped that a comprehensive work-preparedness programme which will target students from the first year onwards, will be operational next year. This was not implemented this year because of the shortage of staff. The Teaching & Development funds have provided some funding for this.

ALUMNI Co-operative Education has also engaged with alumni to be part of an Alumni Mentoring Programme. The driver of this programme is the SA actress, Nambitha Mpumlwana. In this regard, Co-operative Education co-hosted with Convex, a meeting of the Gauteng Chapter of Convocation.

Pietermaritzburg Co-operative Education also hosted a Breakfast meeting with Industry and Government in Pietermaritzburg.





International

DUT continues to place students in other countries. The Red Carnation Hotel Group in the UK takes Hospitality Management students every year. Disneyworld in USA continues to take Hospitality and Tourism students throughout the year. A total number of 16 Hospitality students were placed in Seychelles.

Two Sports Management students and their HOD, Mr Bobby Maharaj, were supported by Co-operative Education to take up their invitation to be part of the management of the World Karate Championships in Japan, where they were also hosted by the Japanese International University of Budo. They were also part of the Malaysian Karate Championships.

Internal

The Co-operative Education unit helped several academic departments host Advisory Boards and other functions with industry. Hospitality Management also held its first regional Advisory Board meeting in Cape Town. Our gratitude goes to the Cape Town International Convention Centre for sponsoring the venue and the lunch.

There was an increase in the number of companies that conduct their student interviews in the Co-operative Education unit. Their ratings of the Co-operative Education unit ranged from very good to excellent.

Co-operative Education also arranged for Engineering staff to visit Tongaat-Hulett in Maidstone and SAPPI in KwaDukuza (Stanger). The aim is to familiarise academic staff with the working environment and industry mentors of their students.

Challenges

A shortage of staff and inadequate physical infrastructure continue to hamper the effectiveness and efficiency of Co-operative Education at DUT.



Library vision and mission statements

Vision

To be a leading University of Technology library in Africa that provides equitable access to the global knowledge environment

Mission

The DUT Library is a client-focused service that enables teaching, life-long learning and research by:

- Acquiring information resources
- Providing information skills training
- Ensuring equitable access to information and facilities
- Using appropriate technology and skilled staff
- Engaging in resource sharing and community outreach.

Overview

Structure

The Library has a staff complement of 80 across the six site libraries and the central division. Decentralisation of library services is costly and staff intensive. The six site libraries are situated at:

- Alan Pittendrigh Library, Steve Biko Campus
- B M Patel Library, M L Sultan Campus
- Brickfield Campus
- City Campus
- Indumiso Campus
- Riverside Campus

There is a centralized Directorate (Director, Library Specialist, Finance Officer and Secretary), and a Central Services division (Acquisitions, Cataloguing, Periodicals, Processing), both of which are situated at the ML Sultan Campus.

Information Resources

Titles and volumes in the DUT Library 2006

Titles	Alan Pittendrigh	B M Patel	Brickfield	City Campus	Indumiso	Riverside	Total
Monographs	53442	32526	5062	15342	11423	5361	123157
Periodicals	1624	760	109	383	54	165	3095
Media	3082	2797	100	705	57	278	7019
Total 2006	58149	36083	5271	16430	11534	5804	133271
Total 2005	56608	39736	5205	15874	10908	5309	133640
Volumes							
Monographs	62599	37937	5857	16137	13646	5479	141655
Periodicals	11273	4031	1215	3062	244	695	20520
Media	3388	3303	105	715	79	243	7833
Total 2006	77260	45271	7177	19914	13969	6417	170008
Total 2005	7473	51812	7168	19362	13079	5704	172071



Electronic resources

Electronic databases (subscribed):  
Africa Wide-Nipad, Analytical Abstracts, Art FT, Biotech Abs, Cinahl, Compendex, DAAI, Datamonitor, EBSCOHost, Emerald, FSTA, Magnet, PROQUEST, SA e-publications, ScienceDirect, Springerlink, TaxNet, Water Resources, Web of Science. In addition to the journals which appear in the electronic databases, the Library has access to over 500 e-journals.

The Library’s facilities include the following:

- E-Zones (computer labs for electronic information retrieval, also doubling up for training purposes)
- Video viewing (individual & group)
- Group study
- Individual study
- Photocopiers
- Hotspots (not all sites, but plans to extend to all in 2007)
- 24 hour study space (not all sites)

Challenges facing the Library regarding facilities include

- Limited seating - there is seating for 1 579 bodies across the 6 site libraries-for 21 316 students (1 seat : 13.5 students). The international norm is 1:25
- Library space is not flexible, and does not provide adequately for differently abled students. The Library has a committee to investigate solutions for such students.
- The need for ‘evergreen’ computers

Teaching and Learning

The Library has continued its offerings of user education training programmes (basic and advanced) to Faculties. A concerted effort is made to get all first year students to attend the basic training. Success is marked by academic perceptions of the relevance of this initiative to student success and academic preparedness. In most instances the training occurs on an ad hoc basis, rather than being integrated into the teaching programme. (Statistics not available at time of report writing). There are some excellent pockets of collaboration with academics, for example, in the extended Somatology programme (foundation). Here library teaching time is timetabled, and the librarian co-teaches with the academic staff. Librarians have also been involved in the Foundation programmes.

In addition, intensive action has been taken in the development of new library programmes, with the assistance of staff from CHED. An Information Literacy Framework has been drafted and is currently serving at the Academic Planning Committee.

In keeping with its commitment to offer high quality training programmes, a Training librarian has been appointed. The Library also sees its potential involvement in developing teaching for the improvement of student learning experience, and has submitted a proposal for a Teaching Development Grant in 2007.

Research

The Library has an active representative on the Institutional Research Committee. In addition to some ad hoc teaching in research methodology (particularly relating to referencing and citation methods), the Library has also participated in Research Days by displaying the range of research databases and resources available to researchers.

2006 was a prestigious year for DUT Library staff promoting the DUT image at conferences:

- 7 papers were presented at regional, national and international library conferences;
- 2 articles were published;
- 1 module was delivered at a national cataloguing training intervention.

The Library has planned to provide an Institutional Repository for DUT research output, theses and dissertations. A proposal has been made to the Research Development Grant for funding in 2007 in this regard.

Collaboration and Professional Involvement

The DUT Library staff play a prominent role in leadership positions in national and regional collaboration, professional and committee structures. Committee for Higher Education Librarians of South Africa (CHELSA): Roy Raju is chair of this committee. Coalition of South African Library Consortia (COSALC): Nicky Muller is a board member of this body. Library and Information Association of South Africa (LIASA): Lucille Webster is on the national executive committee as well as chairperson of the KZN Branch. David Thomas and Mandla Ndaba serve on the KZN Branch committee. Eastern Seaboard Association of Libraries (esAL): DUT has played a major role in regional collaboration in this library consortium. Three of the six working group facilitators are DUT library staff, viz. Camilla Thumbadoo (Cataloguing), Karin Herbert (Periodicals) and Kogie Naicker (Circulation). Nicky Muller was chair of the esAL steering committee until May 2006 when she stepped down. Sabinet Online committees: Louise Cloete is the KZN representative on the Sabinet Online Standards Committee (SOSC). International Federation of Library Associations (IFLA)/World Library and Information Congress (WLIC): the 2007 international conference of this body will be held in Durban. Lucille Webster, as Chair or the local LIASA branch, is on the organizing committee. A number of other library staff will be involved in sub-committees and as volunteers in a variety of aspects.

Quality

User feedback on library services

The Library engaged in a web-based survey to determine users perceptions of the library service. An internationally accepted tool was used as the survey instrument, and useful feedback was elicited from students, academics and academic support staff. Of particular help was the open text comments box.

Library self-review

As part of its quality management system, the Library will conduct regular self-reviews. The first self-review was conducted in 2006, involving all library staff at one level or another. Six working groups, structured around the factors of integration, resourcing, human resources, access, procedures and quality systems, conducted an intensive review which culminated in a self-review report. This will form part of the HEQC audit portfolio documentation.

HEQC audit

The Library is represented on the HEQC audit steering committee, and a number of senior library staff have attended various workshops and meetings in this regard.

### Registrar Academic

#### Senate Meetings

Arising from Senate meetings during 2006:

The following were approved:

- Learning Programme Development Policy and Procedures.
- Quality Assurance Policy which replaces the Quality Policy.
- Policy for the Development and Approval of Policies.
- Academic Workload Policy which will be phased into operation.
- Policy and Procedures for Learnerships.
- Experiential Learning Policy.
- Policy on Conferment of Honorary Research Titles.
- Staff Induction Policy.
- That all departmental rules pertaining to academic exclusions be suspended and revised by heads of departments in time for publication in 2007.
- The general admission rule and concomitant departmental admission rules in line with the new National Senior Certificate (NSC). These rules will be effective from 1 January 2009, when the first cohort of school leavers will qualify with the new National Senior Certificate.
- That adequate resources for teaching and learning and academic support programmes for students be made available by the Institution.
- That the composition of Senate be changed with effect from the 3 May 2006 meeting, in compliance with paragraphs 19 and 66 (2) of the DUT Statute, as promulgated on 25 November 2005.
- The Council Selection Committee's preferred candidate for the position of DVC (Academic), namely Professor L Slammert who subsequently accepted the offer of appointment with effect from 1 January 2007.
- Award of Professorship to L Slammert - DVC (Academic) designate.
- Awards of Associate Professorships to:
  - K Reddy - Department of Applied Law
  - T Nepal - Department of Information Technology
  - K Bisetty - Chemistry
  - N Deenadayalu - Chemistry.
- A re-iteration of Senate's decision last year to recommend to Council the approval of the Academic Restructuring Plan. The Council Administrator has noted Senate's recommendation and has decided to suspend a decision on the matter until the Institution's Operational Plan has been finalised and the views of the new DVC (Academic) are incorporated.

The following members have been elected, unopposed, to serve on the Council which is currently being re-established by the Council Administrator in terms of the DUT Statute:

- Dr L Samuels
- Mr S Kharwa.

Professor Malcom Wallis  
Deputy Vice - Chancellor: Academic (Acting)

