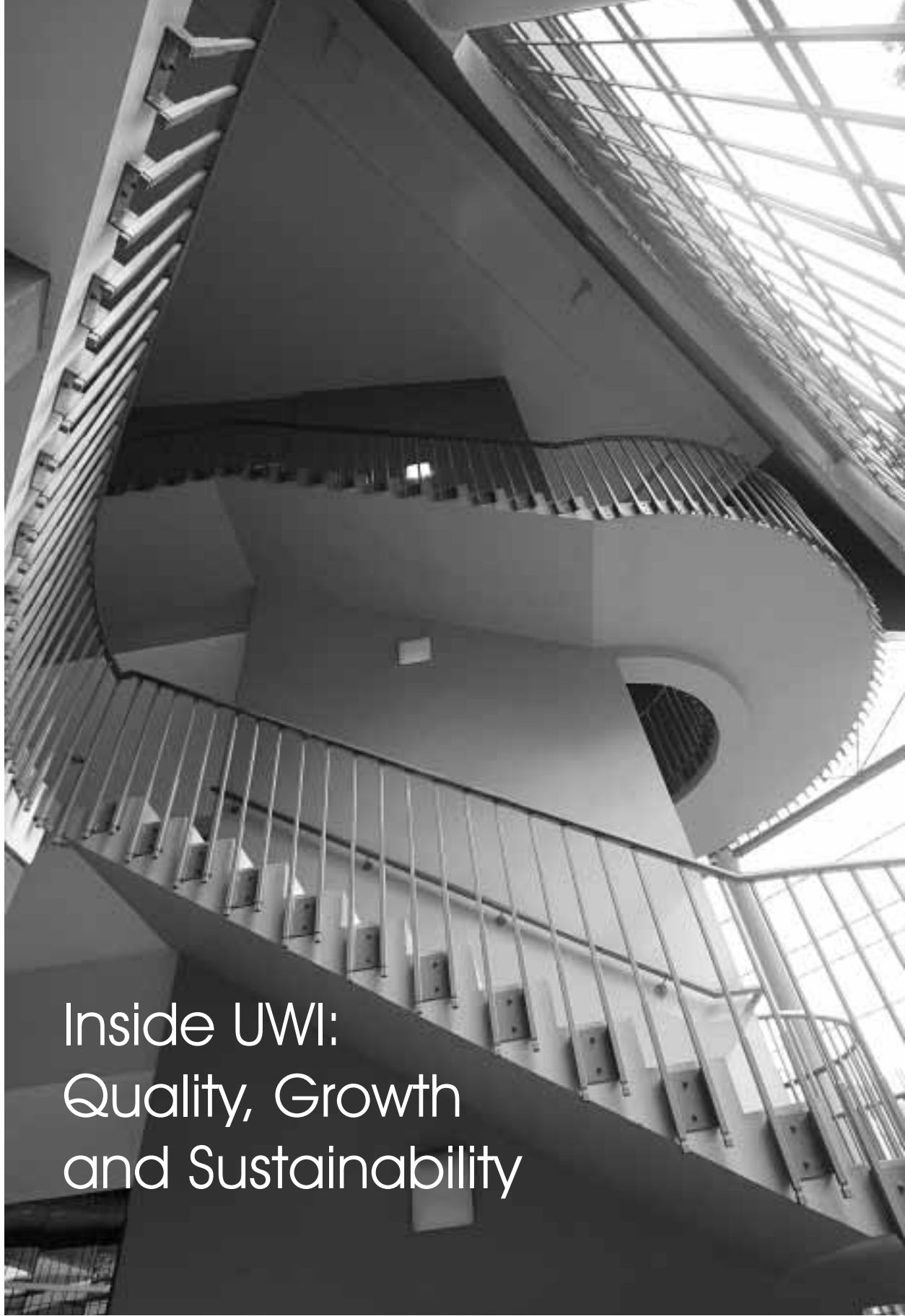


AR04/05

ANNUAL REPORT 2004 - 2005

Inside UWI: Quality, Growth and Sustainability



Chairman's Statement



The St. Augustine Campus of The University of the West Indies is currently undergoing a period of intense transition. Some of these changes, such as the dramatic increase in the student body and the steady development of new infrastructure, are easily visible when one walks through the campus. The challenges to educational resources and standards posed by this expansion are also real and evident.

There are several forces at work here, including the growing demand throughout the region for highly qualified persons who are equipped to effectively address Caribbean and global concerns. UWI students, faculty and staff are keenly aware of this and know intuitively that it can only be satisfied and fulfilled in an environment conducive to teaching and learning.

At the St. Augustine Campus, we see these issues not only as challenges, but as opportunities. We have had an intense focus on quality and growth at UWI St. Augustine in the 2004-2005 academic year and have struggled, we believe successfully, to achieve as ideal balance as possible in our circumstances. We recognize however the need for a consistent and constant commitment to an ongoing process that values and emphasizes appropriately both aspects of our development.

Upon reading the report, it becomes apparent that the necessary drive toward enhancing the campus's infrastructural, technological and human resource capacity is already underway and has in fact been intensified. In particular, the stories of excellence among staff and students in spite of constraints and limitations are most noteworthy and should inspire the campus as a whole to continue growing in a positive direction.

To us, therefore, growth is about more than expanding the campus's physical infrastructure. Quality growth means a focus on *people*; the human capital that is our true wealth both at the University and in the wider Caribbean. It is with this fact in mind, that the campus intensified its efforts at sustainable revenue generation in the review year and sourced additional provision for students in need. It is also the driving force behind our programme for research

development – an area where human resource, infrastructural/technological advancement and finance meet and converge, with far reaching implications for the region. In the review year, the St. Augustine campus took significant steps in establishing the training, supervision, facilities and funding needed to make UWI the premier university for Caribbean-based, globally relevant research.

Such development can only continue, as it has begun, in the context of regional, inter-campus and inter-institutional collaboration. The devastation left in the wake of the hurricane season in 2004 highlighted our countries' vulnerability, but more importantly, the potential for mutual assistance and meaningful collaboration in which The University of the West Indies plays a central and irreplaceable role.

In fulfillment of this responsibility, the St. Augustine campus reaches out to new and existing stakeholders, particularly those formerly at the margins of tertiary education institutions, through the School of Continuing Studies, distance education, the Evening University, public education fora and events, as well as industry and community linkages. This outreach and service which takes place at both the institutional and individual levels, for instance among the UWI alumni, is to be highly commended.

Finally, future growth requires that we maintain the unity and duality of our vision - celebrating our achievements as we address our shortcomings, striving for quality alongside growth, looking inward as well as outward. As we critically assess and change our systems and performance at every level, including that of management, we become more responsive to all our stakeholders...Renewing our focus in keeping with our core values.

A handwritten signature in black ink, appearing to read "Mike Mansoor".

MR. MICHAEL MANSOOR
Chairman – Campus Council



Principal's Review

The year 2004-2005 was undoubtedly an action-oriented year for the St. Augustine Campus. Condensing all accomplishments on this campus in a few paragraphs is, indeed, a challenging task.

The year in review was a significant year for the local higher education sector. We saw the Government of Trinidad and Tobago intently pursue their goal of establishing a free higher education policy for its citizens, and making a commitment to achieve a 60% participation in tertiary education by the year 2015. The University of Trinidad and Tobago, much talked about, finally became a reality, with a Government grant of TT\$600 million.

We at the St. Augustine Campus of The University of the West Indies, while responding to the changes and challenges around us continued our own transformation thrust as we pursued the goals of our strategic plan: 2002-2007, making innovations and strategic interventions along the way in our quest to make the St. Augustine Campus, as a vital part of The University of the West Indies, one of the premier knowledge, learning and teaching centres in the world.

We intensified our efforts and activities in a number of areas. For yet another year, UWI-St. Augustine recorded unparalleled enrolment numbers, this time

to the tune of **12,604** students. In 2004-2005, the Campus also maintained its reputation of attracting exceptional students, as 112 of Trinidad and Tobago's national scholarship winners in 2004, made the St. Augustine Campus their first choice. Applications to the University were also at its all-time high in the review year. There were 11,016 applicants to the St. Augustine Campus in 2004, of which 6,850 were offered places, and 4,548 registered. We are committed to the national objective of expanding access to UWI, but we are even more committed to a quality environment supportive of high standards of excellence. A significant proportion of the University scholarship winners also chose St. Augustine.

Physical expansion and refurbishment projects continued apace in 2004-2005 as we maintained our commitment to creating and nurturing a quality focussed and modern environment for teaching and learning. Towards this end, over TT\$18.25 million worth of construction projects were completed in the review period, and approximately TT\$65.1 million were dedicated to new projects. At the same time

Campus redoubled its efforts to enhance the campus experience by improving both student amenities and support services with the objective of ensuring quality, comfort and sustainability against a background of a 14.5% annual growth over the last four years.

In 2004-2005, the Campus continued to be prudent in the management of its finances. However, operating costs were increased significantly as new terms and conditions of service were negotiated for academic, senior administrative and professional categories of staff. This resulted in an excess of expenditure over income in the review year, as salary arrears settlements for the period August 2002 to February 2005 were made without the corresponding financial support from the Government of Trinidad and Tobago.

During the 2004-2005 academic year the Campus strengthened its effort to diversify its revenues and reduce its reliance on government funding by expanding its commercial activities in a range of areas, and also generated new income through grants and consultancies.

In the area of application of technology for student support we made significant progress in 2004-2005. One such initiative was the implementation of a new Student Administration System (BANNER), which radically improved the level of service offered to students, particularly in matters relating to student registration. There were other vital initiatives also worth mentioning, including making examination results available online; establishing a Microsoft Academy which makes it possible to include Microsoft curriculum and certification as part of our offerings; establishing a Campus Helpdesk; extending wireless services and implementing video conferencing and video streaming services.

In the year under review, the University continued to emphasize meaningful research and design as its research agenda around sixteen (16) research clusters identified through consultation over the last two years. These clusters include coastal zone engineering solutions; criminology and crime prevention; critical thinking across disciplines; cultural studies; disaster prevention and management; education (with emphasis on teacher education); energy studies; food technology innovation and food security; information technology innovation; entrepreneurship and design; internationalisation of small business; linguistics and literary studies; sport (linked to management or medicine); tropical agriculture; biotechnology and WTO related issues; and tropical biodiversity and environmental issues in Small Island Developing States. It is impossible to record all the excellent research in which staff and students are engaged, however, in the *Research* section of this report we have tried to capture the essence of the fine research work being carried out by Faculty and students at St. Augustine. This notwithstanding, I must mention the work being done by several researchers on diabetes, hypertension, HIV/AIDS, diet and health, how learning occurs, Alzheimer's, and several other important areas.

In 2004-2005, the Campus also strengthened its partnerships with industry, its relations with Government and the public sector, as well as with international institutions. In terms of goodwill and financial rewards the St. Augustine Campus secured over US\$3,422,492 worth of external funding for special projects. These include US\$150,000 from British Gas & Talisman (Trinidad) Limited for a Baseline study of the Eastern and Central Blocks; US\$384,700 from the CARICOM Secretariat for Scaling up the Regional Response to HIV/AIDS; US\$1,550,000 from the World Bank for the International Development Association/Pan Caribbean

Partnership against HIV/AIDS and £90,063 from the Darwin initiative for the development of a Biodiversity Monitoring System for Trinidad, in partnership with Oxford University.


The University continued to strengthen its relations with regional and international universities. Fourteen (14) new institutional agreements including Memoranda of Understanding were signed with universities in the United States, Canada, United Kingdom, South Africa and South America. The International Office is being strengthened to facilitate an effectively managed movement of students and faculty to and from this Campus. Efforts at cross-campus and inter-institutional research collaboration are also being intensified.

The successes and achievements of the St. Augustine Campus are a collective effort. All praise is due to our 2,857 members of staff at all levels who have worked diligently under conditions of stress, new challenges and a fast-track pace of change. Despite the normal demands of teaching, research and administration, these staff members continued to make meaningful contributions in the sphere of public service. Over 163 members of staff were involved in some level of public and professional service, serving on cabinet-appointed committees, governmental and non-governmental bodies, engaged in community work of one kind or another.

As a regional institution, we have reached out to the University of Guyana and the University of Suriname as well as several community colleges in the region: our own Trinidad and Tobago Hospitality and Tourism Institute and College of Science, Technology and Applied Arts of Trinidad and Tobago, Clarence Fitzroy Bryant College in St. Kitts, Sir Arthur Lewis Community College in St. Lucia and others with a view to collaborating with, strengthening and supporting those institutions. We

now have about 1,000 students from across the region. We hope to take this up to about 1,800 in the next four years and we are actively working on scholarship support to boost regional growth. In everything we do, we are interested not just in growth, but in quality and sustainability.

As we continue to build on the achievements of 2004-2005, we recommit ourselves to meeting the needs of the Caribbean region that we serve. We will not compromise on our efforts to redesign and reinvent ourselves amidst growing challenges on every front. We will continue to increase our relevance, and our output. We will continue to insist on excellence as the minimum acceptable standard. We will continue to nurture and build a community of learning and of hope. We are confident that this thriving campus at St. Augustine will become a significant teaching, learning and knowledge centre in the world.



DR. BHOENDRADATT TEWARIE
Pro Vice-Chancellor & Campus Principal

The Year in Review



AUGUST

THE NATURE OF THE ISLANDS

Dedicated to the late Professor Peter R. Bacon, the Department of Life Sciences' conference focussed on the impact of land, fresh-water and marine habitats on particular species.

SEPTEMBER

UWI LIFE

An unforgettable kick-off to the academic year, UWI Life provided first year students with the skills necessary to survive and thrive at St. Augustine.

OCTOBER

GRADUATION

Over 2,500 students graduated from the St. Augustine Campus in double ceremonies which also honoured three national icons: Sculptor, Ralph Baney, Businessman, Nazir Ahamad (Posthumously), and Educator, Fr. Anthony De Verteuil.

FEBRUARY

VICE CHANCELLOR'S INSTALLATION

Professor Eon Nigel Harris was installed as The University of the West Indies Vice Chancellor in a gala ceremony at the JFK Auditorium.

MARCH

HEMISPHERICAL STUDENT SUMMIT OF THE AMERICAS

The UWI Guild of Students hosted the first Student Summit of the Americas at the St. Augustine Campus.

APRIL

VICE CHANCELLOR'S CRICKET WEEK

A thrilling two-day match between a select Vice Chancellor's XI and South Africa capped off an exciting Vice Chancellor's Cricket Week.



NOVEMBER

UWI HALF MARATHON

World-class athletes from across the globe along with UWI Staff and Students competed in the 13.1 mile race, along the secure traffic-free Priority Bus Route in East Trinidad.

DECEMBER

ONE CELEBRATION

After a very demanding and successful year, staff celebrated the Season at an Open House on the beautiful grounds of the Office of the Campus Principal.

JANUARY

HOWARD GARDNER LECTURE SERIES

This Lecture Series gave educators from across the country an opportunity to attend workshop sessions on multiple intelligences and education featuring the world-renowned Harvard/Boston University Psychologist and Neurologist.

MAY

THROUGH MY EYES

The works of several student photographers were displayed at the UWI Photography Club's Exhibition *Through My Eyes*, held on the Main Library's Ground Floor.

JUNE

QUALITY ENHANCEMENT CONFERENCE

Quality Enhancement: Innovation and Change at the Learning Resource Centre attracted over 300 educators, administrators and members of the diplomatic community.

JULY

EARL LOVELACE'S 70TH BIRTHDAY CONFERENCE

Earl Lovelace @ 70 celebrated the works of the internationally-acclaimed playwright and novelist.



People

The St. Augustine Campus continues to attract quality students, to produce quality graduates and to nurture outstanding staff.

QUALITY INTAKE

Over the past four years, the St. Augustine Campus has witnessed a composite 34% increase in its student intake. In the academic year 2004-2005 student numbers totalled **12,604**, the highest that the campus has ever experienced. With its phenomenal enrolment growth rates since 2001-2002 the Campus is approaching its zenith in terms of capacity.

Currently, the Campus is in the process of stabilizing admission to full-time day programmes for undergraduates at about 4,000 annually. Once stabilized this should assure UWI St. Augustine of a 12,000 strong undergraduate student population dedicated to full-time study.

Further investigations into 2004-2005's enrolment statistics showed that enrolment in undergraduate degree programmes increased by 3% (315) over last year, while conscription to certificate and diploma programmes, and postgraduate diplomas and higher both declined by 16% (118) and 6% (171) respectively.

In this year, the St. Augustine Campus also consolidated its position as the university of choice for high

achieving students, enrolling over 50% of Trinidad & Tobago's top performers in the CXC and Cambridge/London Universities Advanced Level examinations, and approximately 112 of the 2004's national scholarship winners. The Campus also secured its fair share of University Scholarship winners.

QUALITY OUTPUT

In double graduation ceremonies on October 29th and 30th, approximately 2,510 students graduated from the St. Augustine campus, an increase of 12% from last year's graduation figures. Of this graduating class, 1,575 (62%) achieved first degrees, 320 (9%) received certificates and diplomas and 715 (29%) attained higher degrees and advanced diplomas.

Deeper analyses of 2004's graduation statistics reveal an 4% decrease in the number of graduates from certificate and diploma programmes, and an 8% increase in the number of higher degree and advanced diploma graduates. Meanwhile the respective number of first-degree graduates increased by 242 or 18%.

In Focus

Top students choose UWI...First years sit statched in black and white, paying close attention to the speaker. Their parents and guardians are equally rapt, positively glowing with fulfillment as they take in faculty members in their colourful gowns, members of university and campus management and of course, their very own students. Finally here.

It is the evening of the Matriculation Ceremony, where students are formally welcomed into the UWI community. Acting Registrar Mr. David Moses shares, "As new students, you will be rubbing shoulders with some of the best in the region in terms of academic performance." He does not exaggerate. In 2004, The University of the West Indies was the first choice for tertiary education for one hundred and twelve (112) Advanced-Level scholarship winners.

One of these students, Melissa Birbal, whose scholarship belies her stature, makes her way on stage to sign the register on behalf of her fellow students and take her place in UWI history. Melissa, who is pursuing her BSc in Management Studies, has this to say after the ceremony, "I could have gone to any institution in the Caribbean, but UWI has such a good variety of subjects and the best courses for what I want to do."

And she is not alone in this view. Mr. Moses continues, "Sixteen (16) of our students were ranked among the top ten in the world in their subject areas...You are therefore among some of the brightest and the best young minds in the world." From the applause, it is clear that everyone heartily agrees.



The performance of this year's graduates was excellent. Roughly 30% of the graduating class distinguished themselves by obtaining upper-second and first-class honours degrees, and 4% achieved honours and distinctions in postgraduate programmes.

In the review year 2004-2005, the Office of Planning and Development undertook a Graduate Tracer study to assess the employment rates of first degree graduates of The University of the West Indies.

The study, which was conducted in the first quarter of 2005, surveyed the graduating class of 2003, just after one year of graduation. Out of a possible 1120 graduates (Trinidad and Tobago Nationals), 315 persons (28.2%) responded to the survey: 59 from the Faculty of Science & Agriculture, 67 from Humanities & Education, 54 from Engineering, 11 from Medical Sciences and 125 from Social Sciences.

While the results of this study are still being investigated, preliminary findings indicated that 93.6% of respondents were employed. 16% were furthering studies in addition to being employed, while 4% were furthering studies and not working, and 2.4% were unemployed.

Further analysis of the sectoral patterns of employment revealed that of the graduates surveyed approximately 43.1% were employed by Central Government and Statutory Authorities, 17.2% in other public sector institutions (including state enterprises, public utilities and other publicly funded institutions such as the Central Bank, Unit Trust, UWI, etc.), while the Private Sector employed 38.8%.

Science and Agriculture graduates were spread across the three sectors with the majority, 43.8%, employed in the Private sector, and 35.4% employed by Central Government, primarily in the teaching profession. The overwhelming majority of Humanities/Education graduates (87.9%) were employed by Central Government, mainly in the teaching profession, while most Engineering graduates (64.7%) found employment in the Private Sector, mainly in the Oil and Energy based industries, Manufacturing and Construction companies. Graduates of the Faculty of Medical Sciences were employed by the Ministry of Health as well as in foreign (UK) hospitals, with Pharmacy graduates employed largely in the private sector. Employment of Social Sciences graduates were distributed across sectors with 43.2% in the Private Sector generally in financial and service institutions as well as manufacturing companies, while 36.4% were employed across government ministries and statutory authorities.

More statistical details relating to this study are available in the Facts & Figures section on page 77.

QUALITY STAFF

The staff profile at St. Augustine was strengthened this year in several ways. Eight (8) professorships were conferred in the academic year 2004-2005.

Professor Jonas Addae, Department of Pre-Clinical Sciences, Faculty of Medical Sciences.

Professor Zulaika Ali, Department of Clinical Medical Sciences, Faculty of Medical Sciences.

Professor Balswaroop Bhatt, Department of Mathematics & Computer Science, Faculty of Science & Agriculture.

Professor Kit Fai Pun, Department of Mechanical & Manufacturing Engineering, Faculty of Engineering.



Dr. Adam Figiel, Department of Management Studies, Faculty of Social Sciences.

Professor Stephan Gift, Department of Electrical & Computer Engineering, Faculty of Engineering.

Professor Clement Imbert, Department of Mechanical & Manufacturing Engineering, Faculty of Engineering.

Professor Godwin Isitor, School of Veterinary Medicine, Faculty of Medical Sciences.

Many staff won national and international recognition for their work and achievements. A cross-section of staff achievements is outlined below.

Mr. Roland Baptiste of the Department of Management Studies was named an **Honorary Member of the Human Resource Management Association of Trinidad and Tobago** for his contribution to the field of Human Resource Management.

Mr. Glen Byer of the Chemistry Department was honoured by the St. Augustine Campus as “**2004’s Most Enterprising Employee**”.

Behavioural Sciences Lecturer, **Dr. Innette Cambridge**, received the **Leonard Cheshire Foundation Home’s 50th Anniversary Award 2005**.

Dr. Tennyson Jagai received a **Regional Service Award from the Society of Petroleum Engineers (SPE)** for dedicated service to the SPE at the Regional level, as well as the Society of Petroleum Engineers of Trinidad & Tobago’s (SPETT) Membership Development Award in recognition and appreciation of his invaluable contribution to Membership Development for the Trinidad and Tobago Section.

The Main Library received the **Thomson/Gale Group Innovative and Effective Application of Information Technology Award 2005** from the Association of Caribbean University, Research and Institutional Libraries (ACURIL). Librarian, **Shamin Renwick** was also awarded the **ACURILEANA Medal** for significant contribution to ACURIL in 2003-2004.

Professor Clement K. Sankat, Dean of the Faculty of Engineering, and **Mr. Keith Sirju**, Lecturer in the Department of Civil and Environmental Engineering were made **Fellows of the Association of Professional Engineers of Trinidad and Tobago**.

Professor Ramsey Saunders, who is attached to the Physics Department, was recognised by the National Coalition on Caribbean Affairs (NCOCA) with the **Pinnacle Award 2005**, which is given to a person of Caribbean birth or parentage who has achieved and maintained excellence in his/her field of activity over a protracted period of time.

For their presentation of “Moon on a Rainbow Shawl” (Written by Errol John and directed by Efebo Wilkinson), the **Theatre Arts Unit** of the Centre of Creative and Festival Arts received several awards from the National Drama Association of Trinidad and Tobago at the **2004 Caciique Awards** – including Best Set Design (**Henry Muttoo**), Best Actor (**Brian Honore**), Best Actress (**Penelope Spencer**), Best Supporting Actor (**Darin Gibson**) and Best Supporting Actress (**Serran Clarke**).

The review year 2004-2005 also saw a record number of staff engaging in public service activity. Approximately 163 staff members served on various cabinet-appointed committees, non-governmental bodies, professional institutions, and private and public sector boards.



Teaching & Learning

The St. Augustine Campus is serious about the quality of the learning environment and emphasizes quality teaching in the classroom.

EXCELLENCE IN TEACHING

The University of the West Indies is committed to providing opportunities for professional development for its teaching staff as well as recognising and rewarding excellence in teaching.

The Instructional Development Unit (IDU), which reports directly to the Campus Principal presented a range of activities and programmes aimed at equipping academic staff with the skills and techniques for enhancing student learning and achievement, while exposing them to new trends and developments in teaching and learning in higher education.

Workshops

In the 2004-2005 academic year the IDU conducted approximately twenty-eight (28) workshops, which addressed a wide range of themes consistent with the demands and requirements for improving and enhancing teaching and learning. These included **Andragogy/Pedagogy** for the orientation of new staff members; **Curriculum** – *Writing course*

objectives; **Assessment** – *Developing rubric, Writing exam questions, Mark schemes, Marking and grading*; **Active Learning Strategies** – *Cooperative Learning, Peer Tutoring /Assessment, Concept Maps in Instruction and Assessment*; **Professionalism** – *Graduate supervision*; **Technology** – *Teaching with Technology including wireless*. Several tailored workshops were also conducted at the requests of individual faculties and departments.

Consultations

The IDU continued to address the needs of individuals on campus with respect to personal requests for assistance in clarifying their programmes, exposure to learning strategies and in accessing resource materials. Three such workshops were **Presentation Skills** for the postgraduate students of the Centre for Gender and Development Studies, the **Lab Demonstrators Workshop** for the Department of Life Sciences, and the **Item Writing Workshop**, which was requested by the Science, Medicine and Technology in Society Course Coordinator.



In Focus

Premium teachers...The most moving and significant praise for recipients of the bi-annual UWI/Guardian Life Premium Teaching Awards has come from their students. And nothing could be more fitting for an award designed to recognise outstanding educators for the best teaching/learning practices and their contribution to academic excellence at UWI.

The following excerpts speak for themselves:

Dr. Innette Cambridge, Coordinator of the Minor in Social Policy, Social Work Unit

Dr. Cambridge listens and if you have a problem, you work together to see how you can solve it. You can always drop in, even outside of office hours. She's widely read and traveled, so she is able to give you good insight into what's happening around the world in social policy. [Yet] she always relates her lectures back to the Caribbean.

Debra Joseph (BSc Social Work, MSc Social Work)

Dr. Tennyson Jagai, Lecturer, Department of Chemical Engineering, Faculty of Engineering

Dr. Jagai always makes students feel welcome, no matter what he's doing in his office. [In class] he encourages us to think questions or problems through on our own and in groups. He says, "No question is a bad question," and never belittles his students. In some courses [where] people are actually working in industry, he allows them to contribute about new knowledge and trends. The examples in his class are realistic, practical, up-to-date, and applicable in the field.

Haniff Ramdeen (BSc Mechanical Engineering, MSc Petroleum Engineering)

Dr. Vena Jules, Senior Lecturer in the Teaching of Geography and Social Sciences, Department of Education, School of Education

Dr. Jules creates an interactive and warm environ-

ment for students. She is extremely professional in her approach, with the latest pedagogical styles and up-to-date knowledge in her field. As her students, we had all of her numbers – cell phone, office and at home [and] were free to call her at any time, even [with] personal issues. As an educator myself, she is someone I would like to emulate. She surpasses student-centred.

Marlene Phillip (BSc Government, Postgraduate DipEd and Masters in Education)

Dr. Winston G. Lewis, Senior Lecturer and Head of Department, Mechanical & Manufacturing Engineering

Dr. Lewis arranges field visits related to the content of the course [so that] students can see how the techniques and processes they learned in class can actually be applied in industry. He has an open door policy [at his office]. [As my supervisor] he guided me through the MPhil and encouraged me to advance to the PhD level. He has been a good mentor.

Aaron Ameeralli (MPhil, PhD Manufacturing Engineering)

Special Initiatives/Activities

The IDU maintained its delivery of Technology Education workshops to facilitate staff training in the use of technology particularly for course delivery.

Several initiatives intended to create learning communities, build action research opportunities and assist in evaluation of teaching were also pursued by the IDU in 2004-2005, with the overarching agenda of linking research and teaching.

The IDU again collaborated with the Office of Research to host two special workshops designed to enhance researchers' capacity: the **Graduate Supervision** workshop and the **Grant Proposal Writing** workshop.

In October 2004, the St. Augustine Campus along with corporate sponsor Guardian Life of the Caribbean presented its Premium Teaching Awards. The recipients of the 2004 Awards were:

Dr. Innette Cambridge, Coordinator of the Minor in Social Policy, Social Work Unit.

Dr. Tennyson Jagai, Lecturer, Department of Chemical Engineering, Faculty of Engineering.

Dr. Vena Jules, Senior Lecturer in the Teaching of Geography and Social Sciences, Department of Education, School of Education.

Dr. Winston G. Lewis, Senior Lecturer and Head of Department, Mechanical & Manufacturing Engineering.

QUALITY PROGRAMMING

To meet the growing demand for experienced professionals and to ensure the continued development of the Caribbean region, the St. Augustine Campus in 2004-2005 introduced several new accredited programmes across a wide range of disciplines.

The **Faculty of Engineering** introduced **MSc degrees in Civil Engineering, Civil with Environmental Engineering, and Manufacturing**. The Faculty revamped its **BSc Honours programmes in Chemical and Process Engineering**, and developed **MSc degrees in Chemical and Process Engineering and Reservoir Engineering** to meet the demands of stakeholders in the Oil and Gas sector.

In 2004-2005, the **Faculty of Humanities & Education** commenced several new programmes, and re-structured others. A **Major in Communication Studies** was introduced and a **programme in Film** was prepared and approved for delivery. Negotiations with the Faculty of Medical Sciences for cooperation in the delivery of **Speech and Language Pathology programme** was also finalised, with the programme expected to begin in 2005-2006. At the graduate level, a new **Graduate Diploma in Technology** was introduced, a proposal for a **Graduate Diploma in Translation** was approved, and a **Master of Arts degree in Cultural Studies** commenced. A number of new courses were also approved for introduction in 2005-2006 including the **programme in Calypso International**, which is designed for on-line delivery.

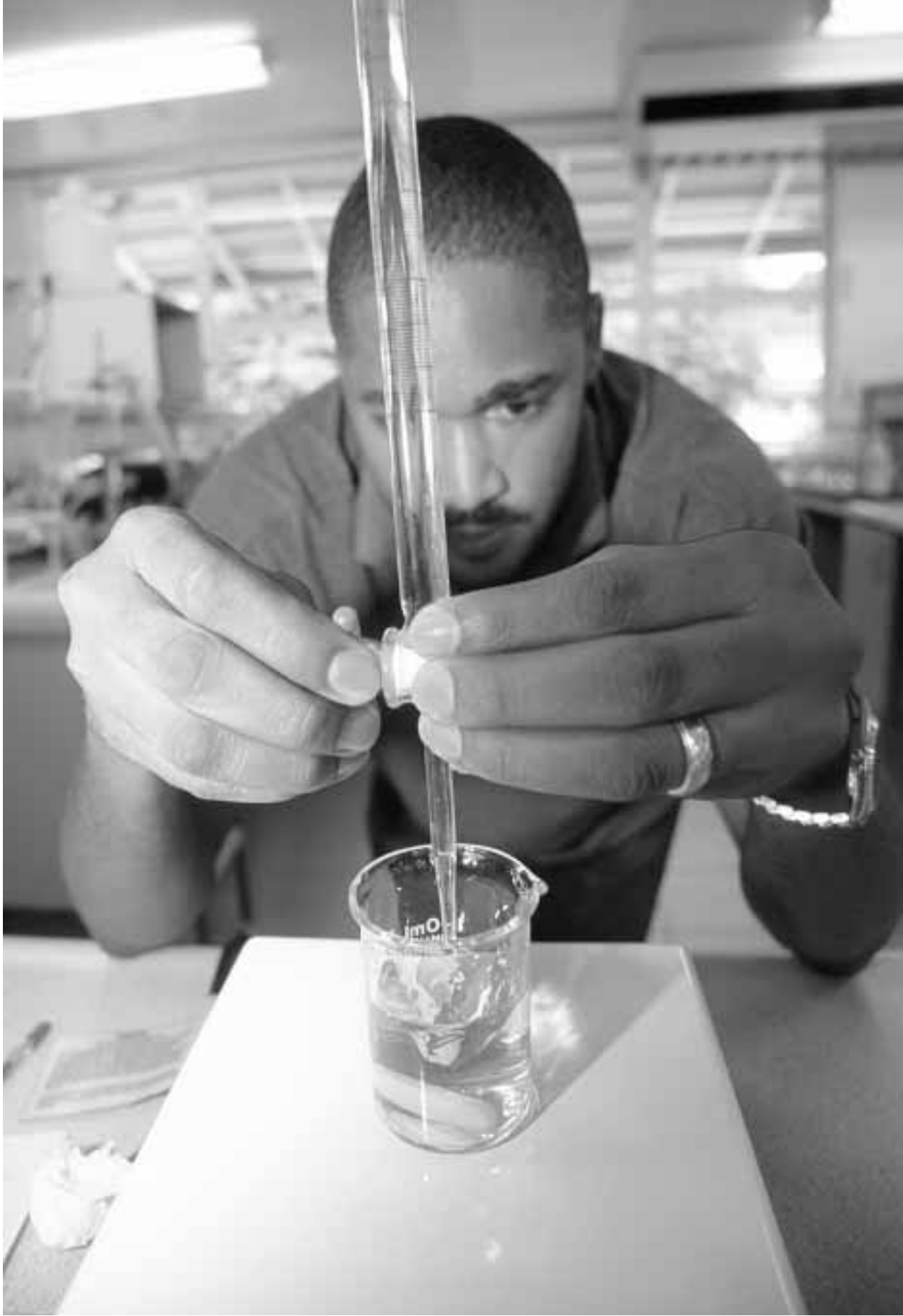
The **Faculty of Medical Sciences** opened its much anticipated School of Advanced Nursing Education, and accepted its first cohort of thirty-two (32) students to its **Bachelor of Nursing** programme.

A range of new undergraduate offerings utilising both distance education and face-to-face modes of delivery were introduced in the **Faculty of Science & Agriculture**. These included **Majors in Environmental and Natural Resource Management**, and **Biology; Double Major in Agribusiness and Management** (offered jointly with the Faculty of Social Sciences' Department of Management); and **Minors in Marine Biology, Entrepreneurship and Physics**. New courses in **International Marketing of Agricultural Products** and **Ecotourism** are also expected to be introduced shortly.

The **Faculty of Social Sciences** introduced a **Bachelor of Science degree in Business, Banking and Finance** in 2005. The **Centre of Criminology and Criminal Justice** also launched its **Graduate Programme**, which offers **MSc, MPhil and PhD degrees in Criminology and Criminal Justice**.

In 2004-2005, the St. Augustine Campus established the **Microsoft IT Academy**, which makes available Microsoft curriculum and certification as part of our course offerings. This alliance between The University of the West Indies, St. Augustine Campus and Microsoft, provides the University with the support to be a premier resource for Microsoft certification in Trinidad & Tobago. The programme's flexibility enables expansion of career opportunities for students by including relevant skill sets in the current UWI curriculum. Access to the programme is also expected to fuel the employability and productivity of our local workforce. With the global need for skilled workers on the rise, the Microsoft IT Academy programme ensures that every student leaving the St. Augustine Campus has the opportunity to participate in the technology-driven economy. The IT Academy delivers a complete technology training solution that will help students to build successful lives and careers in the 21st century.





Research

Developing research capacity and output at UWI is an on-going challenge that requires a multi-faceted approach. A range of initiatives in 2004-2005 sought to strengthen the University's research potential.

RESEARCH TRAINING

The provision of a supportive environment for our postgraduate students is of significant importance to The University of the West Indies. This includes providing research supervision and training that is of the highest quality.

This commitment to Researcher Development was clearly demonstrated in the period under review through the activities of the Office of Research. In 2004-2005, the Office of Research facilitated and funded several workshops aimed at enhancing the capacity of UWI researchers and encouraging inter-campus and inter-institutional collaboration. Some of the more significant of such initiatives included workshops on “*How to Write Research Proposals*”; “*Exploiting Research Results for Financial Gain*”; “*Intellectual Property Rights and their Relevance to University Researchers*”; and “*Graduate Student Supervisor Development*”. The Office also supported several discipline-specific methodological

workshops on all three campuses. It is expected that these capacity development workshops for UWI researchers will continue in 2005–2006.

In an attempt to improve the quality of graduate supervision, equipment and facilities available to research students the Director of Graduate Studies & Research conducted several outreach meetings with Deans and Heads of Departments to discuss procedures and policies as well as to identify best practices within departments which could be shared across all faculties and departments.

During the year, there was great emphasis on policy formation and quality assurance in support of graduate education. Forms were developed, detailing the format, structure and content of an MPhil upgrade report to PhD, and thesis examination reports for MSc degrees across the Campus. The School for Graduate Studies and Research also published a revised Manual of

Procedures for Graduate Studies & Research, Policy on Research Ethics handbook, Regulations for Graduate Diplomas and Degrees, and Guidelines for Chairing of PhD Oral Examinations. The Office of Research also prepared several policy/procedural documents, which have been approved by the relevant University Boards and Committees. These include Policies and Procedures for the Appointment of Honorary Fellows in the School for Graduate Studies and Research, and for the Registration of Graduate Students in the School for Graduate Studies and Research. Policy priorities for 2005–2006 include a Manual of Procedure for the Development and Submission of Research Grant Proposals and their subsequent administration within the University, a Manual of Procedures for Seeking and Registering Patents, finalization of the University's Policy on Intellectual Property, and development of the University's Policy on Bio-safety.

RESEARCH FUNDING AND INCENTIVES

As a means of encouraging and recognising excellence in postdoctoral thesis work, the School for Graduate Studies in 2004-2005 developed a new Award scheme dubbed "The Most Outstanding Thesis Award". The recipient of this year's award was Dr. Patrice Piggot of the Department of Chemistry.

During the year, the University continued to offer several funding opportunities to its research staff and students. In 2004-2005, twenty-two (22) postgraduate scholarships, worth a total of \$1,584,000, were awarded. Additionally, seventy two (72) student research grants were approved, amounting to approximately \$805,778.11. Meanwhile research awards to staff in the review period totalled \$1,657,277.04.

For the first time, a grant of TT\$5 million has been given to the Campus for research. This will be used to get some of the clusters started and give others, very much in train, additional momentum by providing scholarships for MPhil and PhD students of top quality and by providing Post Doctoral support.

Each cluster, once it gets going will be expected to secure additional funding from regional and international sources to build sustainability into the research project.

The University recognises the need to increase the level of financial support available for research activity. A high-priority item for 2005-2006 will therefore be expanding the pool of external funding for research and research education.

RESEARCH PARTNERSHIPS & COLLABORATIONS

Inter-Campus Collaboration Programme

The project of creating electronic Yahoo-based research networks linking researchers of similar interests across the University's three campuses is currently being undertaken by the Office of Research. Networks in Environmental Studies, Cultural Studies, and Disaster Management and Mitigation have already been established, and networks in Tropical Biotechnology, Tropical Medicine, and Social and Economic Studies for SIDS (Small Island Developing States) are being operationalised. Driven by the Vice Chancellor's Hurricane Relief Task Force initiative and emerging smoothly from the concept of cross-campus research networks, the Office is now establishing Technical Expertise Databases in selected focal areas of immediate relevance to regional development. The UWI Expertise Database for Disaster Management and Mitigation has been launched, as well as

Databases in ten key areas identified in the UN Mauritius Plan of Action as critical for the sustainable development of SIDS. A University-wide Researcher Database, constructed around each staff member, is also in the pipeline and is expected to be established in 2005–2006.

The Office of Research is coordinating the development of the University-wide Masters programmes in selected focal areas. Each programme would be taught by the best staff available across the three campuses. It is also expected that inter-campus movement of students would be facilitated within these programmes; and that these would be Flagship Programmes, of international recognition and attractive to international students. The Masters Programme in Environmental and Natural Resource Management has been implemented, and enrolled its second cohort of students in September 2004, while the Masters Programmes in Cultural Studies and in Tropical Biotechnology have just been designed, through a series of cross-campus meetings coordinated and funded by the Office of Research, and the Cultural Studies Masters has been approved by the Board for Graduate Studies and Research for delivery in 2005–2006. The merits of establishing additional University-wide Masters programmes in selected focal areas will be assessed in 2005–2006.

Inter-Institutional Collaboration Programme Inter-Institutional Partnerships

The Office of Research identifies current or potential collaborative research initiatives between UWI researchers and researchers from other institutions of high research repute, and supports and facilitates the more promising of these through communication and funding. Eighteen (18) such initiatives are now supported with institutions distributed across the U.S.A., U.K., Canada, South

Africa and the Caribbean, and additional initiatives will be developed and supported in 2005–2006.

Inter-Institutional Networks and Consortia

The Office of Research currently funds and manages the Community of Science (COS) Network at UWI. COS has a global membership of about 500,000 and allows our staff to identify international researchers with common research interests, as well as obtain information on funding opportunities.

During the reporting period, the Office of Research obtained funds from Hunting Technical Services Development, U.K., to establish COMARE Net (Coastal Management Research Network), the purpose of which is to promote the use of research information in policy formation for integrated coastal management in the Caribbean. The Network encompasses a wide geographical area, and includes both English-speaking and Spanish-speaking institutions in the Caribbean.

In 2004–2005, the Office of Research was the University's focal point for participation in the development of a University Consortium of Small Island Developing States (UCSIS). A Memorandum of Understanding for the establishment of the Consortium was signed by the Vice-Chancellors of the founding Universities at the Mauritius Meeting in January, 2005. The Secretariat for the Consortium is initially set up at UWI, and UNDP has pledged US\$1.0 million for the Consortium's establishment and initial operation. The work programme for UCSIS will be developed and implemented in 2005–2006.

REAL WORLD RESEARCH

One of University's strategic priorities is the development of a robust research agenda that is responsive to the needs of the region, and simultaneously promotes the highest standards of

scholarship and professional excellence. This strategic focus, combined with the sixteen (16) identified research clusters provided the framework for the research emphasis at the St. Augustine Campus in the reporting period.

In the review year, the St. Augustine Campus continued to strengthen its research performance across a huge range of subjects in the engineering, humanities, education, science, agriculture and social sciences disciplines. UWI St. Augustine continues to distinguish itself as a reputable *research institution*, and as a preferred destination for outstanding local, regional and international graduate research students.

Following are just a few examples of the groundbreaking research completed or in progress during the period under review.

Health and Wellness

Dr. C. Carrington and her colleagues in the **Department of Pre-Clinical Sciences** completed their study on the *Phylogeography and population dynamics of Dengue viruses types 2 and 4 in the Americas*. Findings from this investigation is expected to contribute to efforts to control and monitor the spread of dengue in the Americas.

Dr. D. Ramdath continued several research projects under the theme of *Metabolic Syndrome (MS)*. These studies seek to identify early markers of insulin resistance in young children and adults, and provide information for evidence-based intervention to reduce the prevalence of diabetes and metabolic syndrome.

In their studies of *Neuro-degenerative disorders*, **Drs. A. McRae, J. Ramchandani** and **A. Rogers** discovered that a simple intervention such as diet may be a means to protecting vulnerable neurons in Parkinson's disease.

Investigations into the risk factors associated with Alzheimer's disease are also underway by **Drs. A. McRae, N. Baboolal**, and **G. Davis**. This study, which involves patients enrolled in a memory clinic at the Eric Williams Medical Sciences Complex, Mount Hope, Trinidad & Tobago, is aimed at developing biological markers, which could be indicators for ongoing pathological changes in the brain which may lead to Alzheimer's disease. These diagnostic tools could lead to means for early intervention, which could slow down the progression of Alzheimer's disease.

Prof. D. Narinesingh significantly advanced his work in the *Development of novel sensitive devices for analysis of clinical, environmental and other samples*. His studies which, utilize immobilized enzymes, are geared to produce micro-devices that may be implanted into patients, for continuous monitoring of the levels of particular metabolites in the body that are critical to a patient's health.

National and Regional Development

The **Arthur Lok Jack Graduate School of Business** secured a contract from the Trinidad & Tobago Government for the *Development of a National Strategic Plan for Trinidad and Tobago and the fine-tuning of twenty-seven (27) supporting sector-specific sub-committee reports*. Leading consultants from within the Business School and from abroad were engaged for the project, with the final plan being presented to the Prime Minister and Cabinet on May 31st, 2005.

The **Health Economics Unit** continued its work in the development of the *Trinidad and Tobago National Human Development Report*, commissioned by the United Nations Development Programme (UNDP).

As Principal Investigator in the four-year research project funded by the UK's Department for International Development (DFID), **Mr. D. Pantin's** research on *Sustainable Livelihoods Approach to Poverty Eradication in Caribbean* progressed.

Dr. A. Lewis advanced his work in the project *Strengthening Caribbean Tourism through Research and Human Resource Development*, which is co-sponsored by Central Connecticut State University and UWI and funded by the Association Liaison Office for University Cooperation in Development.

Crime and Criminal Justice

The **Centre for Criminology & Criminal Justice** continued work on research and policy development studies such as its *Longitudinal Tracer Study (2001-2007): Reducing Youth Deviance (Phase III); Prisoner Recidivism in Trinidad and Tobago: Towards Reduction, Rehabilitation and Reform (Phase II); Youths in Juvenile Homes in Trinidad and Tobago; Youth Crime and Deviance in Schools: An Analysis by Race, Class and Gender; Police Practice, Community Policing, Use of Force and Police Reform; Victims' Rights and Welfare; and Compilation of a Regional Database on Crime Statistics*. These research projects all seek to compile data as well as provide explanations and recommendations for crime reduction, management and prevention strategies to regional governments and their policy makers as they seek to grapple with the situation of growing crime and deviance across the region.

Gender & Education

The **Centre for Gender and Development Studies** in collaboration with the Regional Coordinating Unit at The University of the West Indies' Mona Campus embarked on a regional research project to study the factors that contribute to male/female performance at the secondary and tertiary levels of

education systems in the region. *Gender Differentials in Secondary and Tertiary Levels of Educational Systems in the Anglophone Caribbean* is the first comprehensive regional research programme of this magnitude ever undertaken to provide an understanding of the social and demographic factors that contribute to the disparity in educational performance of males and females at the secondary and tertiary levels. In the Trinidad and Tobago component of this research, the project team, with the support of the Ministry of Education, has conducted a survey of fifteen schools across the country.

HIV/AIDS

Prof. K. Theodore completed the United Nation's Development Programme (UNDP) project entitled *Responding to HIV/AIDS Crisis: Towards a Determination of National and Regional Resources Mobilization Capability*.

As the lead researcher for the project conducted on behalf of the Health Economics Unit for UNICEF, **Mr. R Mc Lean** undertook a *Situational analysis of HIV/AIDS and Children in Trinidad and Tobago*.

The **Centre for Gender and Development Studies** continued its work on the research programme entitled *Gender, Sexuality and the Implications for HIV/AIDS in Trinidad and Tobago*.

Members of the Health Economics Unit, **Ms. C. Laptiste, Prof. K. Theodore, DR. A. La Foucade and E. Scott**, continued to investigate *The Economic Impact of HIV/AIDS in the Caribbean*.

Natural Disasters

Head of the Seismic Research Unit, **Dr. R. Robertson** continued a joint study with the Centre for Environmental Risk at the University of East Anglia, UK, which seeks to systematically analyse



In Focus

Bioinformatics: Understanding dengue... Been bitten by a mosquito lately? Well if it belonged to the *Aedes aegypti* strain, you may have some cause for concern. These mosquitoes are vectors for the four viruses responsible for dengue fever and the potentially deadly dengue haemorrhagic fever.

Dr. Christine Carrington in the Department of Pre-Clinical Sciences, Faculty of Medical Sciences at UWI St. Augustine, pointed out that "over the past twenty to thirty years in the Caribbean there has been an increase in the number of severe dengue virus infections."

Dr. Carrington, whose PhD is in Molecular Virology, has been working on dengue viruses since she joined the University in 1996, but it was through her former graduate student Dr. Jerome Foster (now at University of Tulsa) that she became interested in looking at the molecular evolution of dengue viruses. Dr. Foster originally "did a lot of the lab work, sequencing dengue viruses from all over the Caribbean that had been isolated at the Caribbean Epidemiology Centre (CAREC) over the last twenty to thirty years. Once he had those sequences, we moved them to the computer and used bioinformatics techniques to infer their phylogeny...a "family tree" of the viruses from which we can then infer other information about their history..."

"The most recent [software] I used was developed at the University of Oxford in the Department of

Zoology where I spent 6 months on a Commonwealth Fellowship (October 2004 to March 2005) in the Evolutionary Biology Unit...working under Professor Edward Holmes. [This] is when I really developed a [greater] appreciation and passion for the whole area of molecular evolution and phylogenetics."

How does this research help in combating the disease? According to Dr. Carrington, "Through [this] approach we made inferences about transmission routes and population dynamics of Asian strains of dengue following their arrival in the Americas in about 1981 ...important [information] for making predictions about future outbreaks of dengue or even other viral infections coming into the region. Also, through the work, you do a molecular characterisation of the viruses that are in circulation in Trinidad & Tobago and in the wider region...[which] has implications for [the development of] vaccines." There is currently no vaccine to protect against all four dengue viruses. "It also has implications for rapid detection of strains that might be more virulent or pathogenic than others."

Good news for us here in the Caribbean, and in other places combating the spread of dengue.

the effectiveness of differing modes of risk and hazard communication, using two Eastern Caribbean islands, Dominica and St Vincent. The results of this study are expected to help improve the communications of scientific information during future volcanic crises.

Ms. Rosemarie Mohais is also involved in an investigation of the data obtained from an existing 4-station strong motion seismic network on the island of Trinidad. The culmination of this exercise will lead to new attenuation relationships, which can be used in creating updated seismic hazard maps for Trinidad.

Unravelling the past

In March 2005, Dr. Basil Reid and his team of UWI archaeology students discovered an Amerindian pendant at a 2000 year-old Saladoid site in Blanchisseuse, north Trinidad. The oval-shaped find is a significant one, providing useful insights into the personal adornment habits of the early Saladoid settlers of Blanchisseuse.

Agriculture

Research on the potential impacts of emerging and proposed policies provides a basis for adopting policy negotiation positions to address the particular challenges and opportunities confronting Caribbean Agriculture in an environment of globalisation and liberalization of markets. In this regard, the **Department of Agricultural Economics & Extension** continued its research focus in the areas of trade policy and competitiveness; food and nutrition security; and the link between foods, diets and health/wellness.

Dr. R. H. Singh conducted *An Evaluation of the Competitiveness of Selected Agricultural Commodities in CARICOM* for the CARICOM Secretariat.

Dr. R.H. Singh, Prof. L.B. Rankine and Dr. G. Seepersad studied *The Marine Fishery Resources in CARICOM: Effects of Liberalization and Trade Related Policies: Implications for the Forthcoming WTO Meeting for the Caribbean Regional Fisheries Mechanism (CFRM)*.

Dr. R.H. Singh, Prof. L.B. Rankine, Dr. G. Seepersad and Dr. S. Hutchinson undertook an investigation into *The Socio-economic Importance of By Catch from the Shrimping Industry to livelihoods and Food Security in the Coastal Communities in Trinidad*, on behalf of the Fisheries Division, Ministry of Agriculture, Land and Marine Resources, Trinidad and Tobago.

Research in progress includes studies on *Agriculture and Food and Nutrition Security in CARICOM*; as well as *Nutrition, Diets and Health Status*. The focus for graduate research projects include the *Liberalization of the European Union and North American Sugar Markets and the Implications on the CARICOM Sugar Industry*; *Socio-Economic Factors in Nutrition and Housing*; *Food Security*; *Marketing Arrangement in Agriculture*; and *Regional Economic Partnership Agreement in Agriculture*.

Meanwhile, the Cocoa Research Unit in conjunction with the USDA advanced the project of developing a DNA fingerprinting database for all major cocoa collections in the Americas.

Fear

Psychology of Fear is a longitudinal study being conducted by **Dr. Derek Chadee** of the **ANSA McAL Psychological Research Centre** in collaboration with Hunter College (CUNY), University of Sheffield, University of Central Florida and The University of the West Indies.



Management

In the review period 2004-2005, significant advancements and quality improvements were made in the management and administration of the St. Augustine Campus.

STRATEGY APPRAISAL

The Office of Planning and Development, which has responsibility for both university-wide and campus-wide Strategic Planning continued to monitor, assess and report on progress in implementing the current Strategic Plan II: 2002-2007. These efforts were accompanied by institutional research activities in selected areas of UWI's operations that have an important influence on overall organizational effectiveness. Emphasis was also placed on strengthening the framework of institutional data and indicators to assist decision-making and monitoring of outcomes at the University. In addition, work commenced on environmental scanning to identify developments and drivers of change that need to be addressed in the preparation of the next strategic plan.

During the review year, the Office of Planning and Development was also engaged in a wide range of initiatives to enhance institutional efficacy.

The Office organized and facilitated a two-day Management Retreat on the theme *Accelerating Transformation*. The retreat which was held at the Mona Campus in November 2004, included members of the University's executive management team and a cross-section of persons drawn from the wider university community. This forum allowed the University's leadership and community to examine jointly some of the key issues that are critical to the realization of the vision articulated in the current strategic plan. Included among the issues discussed were the curriculum, teaching and learning environment, research performance, management systems and ways of improving the beneficial impact of the University on national and regional development.

A comprehensive report was prepared on the outcome of the Management Retreat. Several recommendations were identified that had the potential for high payoff to the institution and which could be implemented without any significant

The Management Team



DR. BHOENDRADATT TEWARIE
PRO VICE
CHANCELLOR
& CAMPUS
PRINCIPAL



PROFESSOR GURMOHAN KOCHHAR
DEPUTY
PRINCIPAL



DR. MARGARET ROUSE-JONES
CAMPUS
LIBRARIAN



MR. JEREMY CALLAGHAN
CAMPUS
REGISTRAR



MRS. LYLBA BADA
CAMPUS
BURSAR

allocation of additional resources. Also included in the report were recommendations for priority initiatives that required funding support. Some of these were immediately proposed for inclusion in the biennial budget cycle.

The Planning Office also prepared and presented to the University Strategy Committee a Mid-Term report on implementation of Strategic Plan II: 2002-2007. The report addressed each of the nine strategic goals included in the plan to enable the University to become a highly effective and sustainable institution. The report showed that the actual growth in enrolment since the beginning of the plan period was well in excess of targeted growth, thereby facilitating expansion of access. The report also documented a range of initiatives taken to enhance quality and student centredness, strengthen human resource management, and deploy and use information and telecommunication technologies in the teaching and learning environment. At the same time, the report pointed to performance gaps in areas such as the examination system, distance education delivery, staff publication, and the accessing of competitive research grants. Note was also made in the report of emerging strategic challenges.

The Planning Office's 2004-2005 work programme produced university-wide data on academic course delivery by department and the allocation of staff resources, including the generation of information on the employment of part-time teaching staff and it is expected to facilitate the estimation of adjusted student/staff ratios. Another element within this cluster of initiatives to strengthen management information was the development of a database on applications for entry at the St. Augustine Campus. Of significance also is the updating of throughput data at the St. Augustine Campus to include the 2001 intake cohort.

For 2005-2006, continued emphasis is placed on the strengthening of the information sets available to management to facilitate rational decision-making and to respond to the information requirements of a wide range of stakeholders. Reports are prepared periodically on the operations of the institution.

Efforts to monitor and evaluate the implementation of the key initiatives set out in the current strategic plan continue. Another comprehensive report on the progress of implementation across the University is being prepared for presentation to the University's Strategic Committee in 2006. The Office is also engaged in preparing an issues paper to facilitate the formal commencement of the process of preparing the University's third strategic plan.

OPERATIONAL EFFICIENCY SYSTEMS REDESIGN & RESTRUCTURING

Computer technologies

Review year 2004-2005 witnessed an increased reliance on IT to support core business processes at the St. Augustine Campus. During the period under review, the Campus made considerable progress in implementing improved management information systems.

Significant work was undertaken in preparation for the implementation of the new Banner Student Administration System (SAS), which is part of the University-wide administration system linking Finance and Student Administration. This system replaced the previous custom-built FOXPRO administration system. The implementation of the new Banner System was carried out with a considerable amount of urgency, to ensure that the Campus was able to improve its registration processes and deliver electronic (online) registration functionality to students registering in the 2005-2006 academic year. This new management information system

exists in tandem with previously installed corporate applications Banner Finance and the PeopleSoft Human Resources System to improve the operational efficiency of the campus.

The introduction of the Banner Student System in 2004-2005 gave students access to their personal accounts on line and enabled the Bursary to significantly improve the level of service offered. Financial registration procedures were simplified, as the students were automatically billed as soon as they had signed up for their courses. Tuition fees were calculated on a per semester basis and that gave the students easier payment options. Fees are adjusted automatically when students add or drop courses and the shared database has also given the Campus access to additional data for statistical purposes.

The Electronic Examinations functionality offered through the Banner SAS was also piloted in the Faculty of Engineering in 2004-2005, with a piece-meal rollout to the other faculties planned for the next academic year. This module of the administration system allows the direct inputting of grades by teaching staff as well as the capability for students to check their grades online.

Other system upgrades completed in the year under review include the implementation of a Microsoft Active Directory Services to improve management, software deployment and upgrades and access to services such as Banner SAS, Banner Finance, PeopleSoft and the Campus Intranet; and the migration of the Campus e-mail system onto new hardware, which is intended to make the service more robust and to upgrade to Microsoft Exchange 2003.

Management audit

In the review period the Management Audit Unit continued to operate as a management control tool providing audit coverage of faculties/departments/units, with the primary objectives being to evaluate how effectively the operating areas of the University carry out their functions and make recommendations for their improvement, where necessary.

The work plan for the Management Audit Unit in 2004-2005 included twenty-six (26) assignments, of which fifteen (15) were new audits, six (6) were in process at the end of the last fiscal year (2003-2004) and five (5) audits not started in the last year and brought forward to 2004-2005. During the review year, the Unit also received requests for five (5) unplanned audits, all of which were completed in the same period under review.

The Approved Audit Plan 2005/2006 comprises a total of twenty-five audits – seven (7) operational, seven (7) financial, five (5) follow up audits and six (6) audits brought forward from 2004-2005.

The University Audit Committee has approved the engagement of a firm of external consultants to conduct an audit of the Information Technology operations at all campuses of the University. This audit is expected to commence in February 2006 and be completed in three months.

Human Resource Development

In 2004-2005 the St. Augustine Campus placed emphasis on attracting, supporting and developing its human capital.

One of the more significant HR achievements in the review period was the successful completion of negotiations with two of the four staff-bargaining bodies – West Indian Group of University Teachers (WIGUT) and Estate Police Association, which ushered in new collective agreements for academic

and professional staff, and estate police. Negotiations for daily-paid staff were completed in the last reporting cycle 2003-2004, while it is expected that in the upcoming 2005-2006 year discussions will commence with the Oilfield Workers Trade Union (OWTU) on behalf of the Administrative, Technical and Service Staff category.

In the review period, the number of staff under the employ of the St. Augustine Campus totalled 2,857. The St. Augustine Campus continued to develop the skills and knowledge of this staff population, offering a myriad of training and development opportunities in a wide range of areas and catering for staff at all levels.

In the reporting year, seven (7) members of staff were granted sabbatical leave, while five (5) received special leave for scholarly activity. In the review year, the Human Resources section also conducted twelve (12) training courses (a total of thirty-two (32) sessions), and trained 617 employees. Training courses offered included Absenteeism and Lateness reduction, Business Writing, Business and Professional Ethics, Defensive Driving, Exceptional Customer Service, First Aid and CPR, and Occupational Health and Safety to name a few.

During the review year, several members of staff availed themselves to professional development opportunities. In addition, a number of young scholars received support from the University for programmes abroad, and have signed contracts to return to the University as part of our succession planning strategy.

Dr. Derek Chadee, Manager of the Ansa Mc Al Psychological Research Centre was granted a Senior Fulbright Award, and was attached to Hunter College and University of Central Florida from July to December 2004.

Dr. C. Carrington of the Department of Pre-Clinical Sciences received a Commonwealth Academic Staff Fellowship to perform research in Virus Evolution and phylogenetics at Oxford University.

Finance Officer at the Campus Projects Office, **Carolyn Gooding** completed the MSc Program in Project Management at UWI, and was also promoted to the rank of Fellow in the ACCA. Project Officer, **Prag Mahajan** obtained PMP Certification from the Project Management Institute (PMI), and **Ivan Ramlakhan** was elevated to the rank of Fellowship of the Institute of Chartered Secretaries and Administrators (F.C.I.S.) London.

Dave Thomas, Rajendra Singh, Allan Christopher and **Marlon Raghunanan**, all from Campus Information Technology Services, attended training under the Cisco Network Regional Academy over the period October 2004 to May 2005, to become certified CCNA Academy Instructors. **Simone Wilson**, User Support Technician, achieved global recognition and is an ABE World Prize winner in Network and Distributed Systems (2004), and Contemporary Applications, Development Methods (2005). Through the Microsoft IT Academy, ten persons – **Bertram Deare, Bhagmatee Jogie-Ramlogan, Emil Juman, Jacqueline Williams, Karlene Barrow, Lindsay John, Letitia Weekes, Mary Codrington, Susan Mayhrai** and **Claire Craig** – attended training to become certified Microsoft Office Specialist (MOS).

The Campus continued to recognise the valuable contributions of staff in 2004-2005 through recognition and reward schemes such as the UWI/Guardian Life Premium Teaching Awards and Most Enterprising Employee Awards.

APPOINTMENTS

Jean Maureen Antoine

Lecturer
Liberal Arts

Shivananda Nayak Bijoor

Lecturer
School of Basic Health Science

Tamara Marlese Brathwaite

Librarian I
Institute of International Relations

Dawn-Marie De Four-Gill

University Director
Marketing & Communications

Adam Figiel

Lecturer
Management Studies

Nicolas Fournier

Research Fellow
Seismic Research Unit

Andanappa Karisiddappa Gadad

Senior Lecturer
School of Basic Health Science

Leon Anderson Lilas

Lecturer
School of Medicine

Phillip Maharaj

Deputy Bursar
Bursary

Kirk Peter Meighoo

Lecturer
Behavioural Sciences

Marlon Meredith Mencia

Lecturer
School of Medicine

Lorraine Mahalia Nero

Librarian II
Main Library

Nalini Persram

Senior Lecturer
Liberal Arts

Sharon Premchand-Mohammed

Librarian II
Main Library

Meryl Kathleen Price

Director
School of Advanced Nursing Education

Kotireddy Rama Bhupal Reddy

Lecturer
Mechanical Engineering

Angela Ramnarine-Rieks

Librarian II
Main Library

Lincoln Stacy Hanooman Seecharan

IT Officer I
Distance Education (UWIDEC)

Gurdial Singh

Professor
Chemistry

Chandar Gupta Supersad

Careers & Placement Officer
Student Services

Stella Williams

Lecturer
Liberal Arts

PROMOTIONS

Jonas I Addae

Professor
School of Basic Health Science

Hydar Ali

Senior Lecturer
Mathematics & Computer Science

Zulaika Ali

Professor
School of Medicine

Beni Naraine Balkaran

Senior Lecturer
School of Medicine

Roland Baptiste

Senior Lecturer
Management Studies

Maria Bartholomew

Lecturer
School of Medicine

Lennox Bernard

Resident Tutor
School of Continuing Studies

Ann Marie Bissessar

Senior Lecturer
Behavioural Sciences

Derek Chadee

Lecturer
Behavioural Sciences

Lancelot Cowie

Senior Lecturer
Liberal Arts

Dawn-Marie De Four-Gill

Director
Marketing & Communications

Jerome M. De Lisle

Lecturer
Centre for Medical Sciences Education

Richard Escalante

IT Officer II
Institute of International Relations

Stephan Gift

Professor
Electrical & Computing Eng

Iva Gloudon

Director
Sport & Physical Education

Tisha Harper

Lecturer
School of Veterinary Medicine

Clement Imbert

Professor
Mechanical Engineering

Vaughn Jardine

IT Officer I
Campus Information Technology Services

Solaiman Juman

Lecturer
School of Medicine

Michael Kallon

Research Fellow
Educational Research & Development

Rohan Gautama Maharaj

Lecturer
School of Basic Health Science

Patricia Mohammed

Senior Lecturer
Centre for Gender & Development Studies

Patricia Mohammed

Professor
Centre for Gender & Development Studies

Wayne Mohammed

Lecturer
School of Basic Health Science

Kit Fai Pun

Professor
Mechanical Engineering

Jennifer Rahim

Lecturer
Liberal Arts

Bheshem Ramlal

Lecturer
Surveying & Land Information

Alfred Livingstone Reid

Senior Project Officer I - Manager
Campus Project Office

Basil Anthony Reid

Lecturer
History

Patricia Ingrid Sealy

Lecturer
School of Pharmacy

Grace Sirju Charran

Senior Lecturer
Life Sciences

Frank Soodeen

Librarian III
Main Library

Linda Steele

Assistant Registrar II
Office of the Campus Registrar

Glenroy Taitt

Librarian III
Main Library

Kathleen Mary Valtonen

Senior Lecturer
Behavioural Sciences

Shanaz Wahid

Senior Lecturer
Maths & Computer Science

Elizabeth Walcott-Hackshaw

Lecturer
Liberal Arts

John Watkins

Lecturer
School of Veterinary Medicine

Farid Youssef

Lecturer
School of Basic Health Science

RETIREMENTS/RESIGNATIONS/ TERMINATIONS

Dilip Kumar Baidya

Lecturer, Civil Engineering

Milica Bajic Brkovic

Professor, Surveying & Land Information

Junor Barnes

Professor, School of Basic Health Science

Maria Bartholomew

Lecturer, School of Medicine

Adam Figiel

Lecturer, Management Studies

Anthony Gonzales

Senior Lecturer, Institute of International Relations

Karen Lequay

Senior Librarian I, Main Library

Dow Maharajh

Senior Lecturer, Chemistry

Stephan Mahler

Senior Lecturer, School of Veterinary Medicine

Nalini Persram

Senior Lecturer, Liberal Arts

Martha Preddie

Librarian II, Main Library

Kuppuswamy Ramesh

Lecturer, Mechanical Engineering

Roydon Salick

Senior Lecturer, Liberal Arts

Brinsley Samaroo

Professor, History

Clifford Thomas

Senior Lecturer, School of Medicine

Rajeev Tripathi

Lecturer, Electrical & Computer Engineering

Rama Krishna Rao Upamaka

Professor, Mechanical Engineering

OBITUARIES

Tyrone Ferguson

Senior Lecturer, Institute of International Relations



Finances

In 2004-2005, the St. Augustine Campus gave high priority to generating income from diverse sources in order to reduce its dependence on Government funding.

In the reporting period, the Government contributions were received in a timely manner each month and the Government of Trinidad and Tobago clearly demonstrated its commitment to the University by reducing its share of the outstanding balance of accumulated contributions receivable.

It must however be noted that while the dollar amount of Government funding has increased in the last few years, as a proportion of income from all sources, Government funding through the CGC has actually declined. In 2004-2005, Government contributions represented 50% of the Campus' total income, as compared to 53% in 2001-2002.

Increases in government funding over the last five years has also decreased in percentage terms. Government funding between the period 2000-2001 and 2001-2002, increased by 22.8% (from TT\$204,408 to \$251,157), whereas over the four-year period from 2001-2002 through to 2004-2005, there has been an aggregate 9% increase in Government funding (from TT\$251,157 to \$274,576).

However, the Government of Trinidad and Tobago on its own, continues to fund a significant number of projects on Campus including the Faculty of Medical Sciences and the Institute of International Relations.

In recent times the Campus has sought to optimise its revenues while reducing its operating costs. Some of the activities undertaken in this regard include the implementation of several cost-reduction strategies, expansion of commercial activities and fee-paying programmes, and the adoption of more diversified approach to fund-raising. These initiatives have all produced positive outcomes.

INCOME & EXPENDITURE

Total income received during the year under review was \$543.6 million, of which the Campus Grants Committee contributed 50.5%. A further 27.6% was provided in relation to special projects, from a variety of sources, including the Trinidad and Tobago Government, foreign donors and local

corporate donors. Tuition fees accounted for 13.7% of revenue and 8.2% came from miscellaneous sources.

Costs increased significantly as new terms and conditions of service were agreed for the academic, senior administrative and professional staff. The Statement of Income and Expenditure records an excess of expenditure over income for the year, as salary arrears were paid to academic staff for the period August 2002 to February 2005. Government contributions were not increased proportionately and this accounted for a significant part of the deficit.

REVENUE GENERATION

There was campus-wide focus on revenue generation during 2004-2005. Many faculties and departments intensified their efforts in bidding for and securing service and research contracts as well as consultancy projects. Importance was also placed on commercialising research projects in the review period. Protecting the University's intellectual property interests was also a high priority item in 2004-2005.

During the review year, the Business Development Office managed a wide and diverse portfolio of internal and external special projects and consultancies worth over TT\$5.5 million. The Office was also engaged in strategic interventions to transform the Graphite Laboratory in the Faculty of Science and Agriculture and the Arts-in-Action Theatre Group of the Centre for Creative Arts into profit-making entities. These interventions were successfully completed, with both these units showing considerable revenue-earning potential for the future.

Departmental-based activities

Faculties, departments and units continued to generate moderate revenue streams from a variety of activities related to their teaching, research and expertise.

Revenue-generating Academic Programmes

The review period saw the growth in summer programmes and graduate programmes offered by faculties and academic units. The Centre for Criminology & Criminal Justice launched its Graduate Programme in Criminology and Criminal Justice, while the School of Advanced Nursing Education proposed the addition of MSc degrees in Nursing Education and Nursing Management/Administration as revenue-earning programmes.

Short courses

The Faculties of Social Sciences and Engineering maintained their offerings of short training, executive, and computer literacy courses. The Arthur Lok Jack School of Business introduced a diverse range of training and development programmes, including Business Spanish; Management Development Workshop for Administrative Professionals; Creative Problem-solving; Building an Effective Sales Team; Value-based Management; Corporate Valuation; Women in Leadership; Eight (8) Habits of Highly Effective Bank Managers; Customer Service – A Front Line Experience; and Interviewing Skills.

Research Contracts & Consultancies

The Engineering Institute coordinated approximately nineteen (19) industry-sponsored and faculty-associated research and development projects and consultancies. The School of Advanced Nursing Education received a consultancy contract with PAHO to conduct a needs assessment of the North West Regional Health Authority. The Psychia-

try Unit of the Department of Clinical Medical Sciences continued to earn substantial revenues from clinical consultancies. The Arts-in-Action Outreach Unit maintained its provision of social development programmes and client consultancies.

Commercial Services

The School of Dentistry continued to earn reasonable revenues by providing Oral Pathology Laboratory Services. The Pre-Clinical Department of the Faculty of Medical Sciences assisted COSTAATT in the teaching of Radiological Anatomy to their students. The Department of Life Sciences offered semi-commercial microbiological testing services and tissue culture facilities. Analytical Services Unit, the commercial arm of the Soil Science Unit of the Department of Food Production continued to specialise in agricultural and environmental testing, sampling and consultancy services.

BUSINESS DEVELOPMENT

In 2004-2005 the Business Development Office (BDO) was a focal point for advancing the revenue-earning capacity of the Campus.

The Office led the way in working with individuals and departments in preparing proposals for research funding for cross-disciplinary projects, and engaged with a number of leading universities and research institutions to promote joint research projects. The Office oversaw the preparation of the proposal submitted jointly with the University of Oxford under the Darwin Initiative. The project, which will expand the National Herbarium based at UWI by collecting an estimated ten thousand new voucher specimens, will be funded by a grant of £265,000, the largest ever given by the Darwin Initiative. New and existing collections will be recorded in a Botanical Research and Herbarium Management System that will make a searchable botanical

database freely available via the web and network the Trinidad and Tobago collection with others in the Caribbean and worldwide. The project marks a significant step by the University to develop a Centre for Biological Diversity that will concentrate on Small Island Developing States.

In addition, the BDO continued to market the technical expertise of the Campus and University to major stakeholders and seek new avenues for revenue generation in the private and public sectors. The Office was actively involved in establishing several Memoranda of Agreements between The University of the West Indies and institutions like the Trinidad and Tobago Regiment, and Forestry Division of Trinidad & Tobago. The Memorandum of Agreement concluded between the UWI and the Trinidad & Tobago Regiment will facilitate the provision of training opportunities for officers as well as other ranks, while the Memorandum of Agreement with the Forestry Division, Ministry of Public Utilities and the Environment facilitates collaboration between UWI, especially the Department of Life Sciences, and the Forestry Division in the field of biological diversity.

With plans for a major capital campaign and continued involvement in strategic initiatives like the establishment of the Film, Animation and Media Laboratory; Centre for Innovation, Entrepreneurship and Wealth Creation; Institute for Critical Thinking; Teacher Training in Tertiary Education; Centre for Biological Diversity, 2005-2006 promises to be another successful year for business development at St. Augustine.



Infrastructure

Physical expansion continued apace in 2004-2005 as the Campus maintained its commitment to providing a comfortable and modern learning environment.

NEW BUILDINGS & REFURBISHMENTS

Over the past four years there has been a phenomenal 34% increase in student enrolment, which undeniably has put a strain on the Campus' infrastructure.

To ensure that students and staff are provided with a comfortable, modern learning environment, the St. Augustine has fast-tracked several development projects. In 2004-2005 especially, the Campus invested heavily in physical expansion and refurbishment works to support its expanding student population.

Over TT\$18.25 million worth of projects were completed in 2004-2005, and TT\$65.1 million committed to new projects in that period. Meanwhile an estimated TT\$172.7 million is earmarked for spending on construction projects commencing in 2006.

Some of the projects completed and handed over in the review year include the First Floor Extension of the Centre for Language Learning Building;

Temporary Classroom Building at Heartease; upgrade of the Sir Frank Worrell Cricket Field and Pitch and fencing and associated works; new Mezzanine Floor in Chemical Engineering's Block #8; a Postgraduate Study Area and Lounge for the Faculty of Science & Agriculture; new offices for Chemical Engineering staff in the Food Science Building; Tennis Courts reconstruction works; and Boardroom modifications in the Faculty of Social Sciences' Main Administration Building.

Construction works which were initiated in 2003-2004 and continued in the reporting period include work on the new Student Administration Building; Phase II Expansion of the Centre for Language Learning Facilities for the addition of a second floor; Auditorium and Classroom Building; Milner Dormitory Building; and Tennis Courts Spectator Stands.

Projects expected to begin in 2005-2006 include the addition of more temporary classroom spaces; a Teaching & Learning Complex; expansion of Chemical Engineering's Block #13; a new building to house Security, and Marketing; upgrade of North

and South Main Gates and fencing of Main Campus; St. John Road Student Residences; new Health Economics Unit facilities; upgrade of the Bursary Section of the Main Administration Building; and a running track and parking area for the Sir Frank Worrell Field.

Other projects under consideration include Senior Common Room upgrades; internal reconfiguration of Main Library; infrastructure upgrades to the Faculty of Medical Sciences; construction of a Recreational Facility at Mount Hope; expansion of Distance Education facilities in Tobago; and Phase II Expansion of the Centre for Creative and Festival Arts.

LIBRARIES & INFORMATION SERVICES

The St. Augustine Libraries completed the third year of its five-year Strategic Plan in 2004-2005 and continued on its growth, development and sustainability path by providing improved services and resources to an increasing user population. In this reporting period the Libraries achieved several milestones in fulfilment of the University's strategic initiatives including the integration of information technology in the delivery of its services with a view to providing users with a progressive library environment while contributing to the development of the human resource through staff skills enhancement; development and implementation of a platform for an institutional repository to accommodate the growing body of scholarly information in digital format; evaluation and selection of a new Integrated Library System (ILS) for the libraries of the three campuses; streamlining the functions of the Electronic Information Resources (EIR) team for the management of the acquisition and access to information resources; regular upgrading of the Library's website to foster improved navigation; significant advancement with the retrospective

conversion of catalogue records from hardcopy to electronic format; and development of a research agenda for the Campus Libraries.

In 2004-2005, the Libraries moved closer to fulfilling its vision of becoming to its users and to the global community, the premier, dynamic institution for the creation and provision of quality information products and services with special emphasis on unique Caribbean resources. Through the continued strengthening and development of its information technology base, the Campus Libraries are progressing towards functioning fully as a "hybrid" library where resources are made available in both digital and print format to facilitate the growing needs of clients. Training programmes were conducted for the Library's staff with a view to improving actual service, service attitude to our users, and generally to ensure that staff acquire the necessary competencies for functioning in this dynamic environment. The St Augustine Campus Libraries continued to work with faculties and units to ensure that students' needs are fully met.

The Campus Libraries looks forward in 2005-2006 to further progress in several major initiatives. It is expected that the implementation of the new Integrated Library System will be completed in time for the 2006-2007 academic year. The Libraries will introduce a Quality Management System (QMS), along the lines of the International Standards Organization (ISO) 9000 Standards for quality assurance within service organizations. The Libraries will take the lead in the acquisition of appropriate hardware and software solutions to cater for the special requirements of users with disabilities such as the visually impaired. Efforts will also be invested to implement a library intranet and web analysis system. There is also a plan to introduce and extend digital services and intensify the population of divisional web pages as well as

increase the number of online tutorials. Another priority item is the development of an advertising and promotion plan to highlight and sensitize users to the resources of the Library.

IT INFRASTRUCTURE

Upgrades in the Campus' IT infrastructure continued in the 2004-2005 reporting year aimed at developing and maintaining a robust 'technology platform' which can equip the University to function effectively in today's technology-driven marketplace. Some of the achievements in the IT arena in the review period include the migration of the Campus E-mail system onto new hardware intended to make the service more robust, and upgrade to Microsoft Exchange 2003; implementation of a more effective Proxy server solution to proportion the increased Internet bandwidth (Staff: 2xT1s, Student: 3xADSL T1s) fairly to all LANs; upgrade of the Campus Firewall to a higher performance, fully redundant architecture; extension of the Wireless LAN solution to all student-centric areas on Campus to enable mobile/laptop users to access Campus Area Network (CAN) services (Faculty LANs, Internet, WebCT and SAS Banner); development and piloting of a Campus Helpdesk solution to better manage IT resources and to identify patterns in demand for IT support in order to be able to take a proactive approach to problem solving; establishment of Local Area Networks in the Faculty of Medical Sciences; consolidation of various servers on the Campus (Exchange 5.5 and NT 4.0) to improve manageability, efficiency and to ensure more cost effective use of the equipment; establishment of Technology Lounge in LRC to allow staff to improve and enhance their ability to use technology tools and services in teaching and learning; upgrade of the two main Data Centres on Campus to use APC InfraStruXure systems for UPS power and environmental controls; training and re-tooling of a wide

cross-section of the campus so as to empower many to directly retrieve the data that they require through the use of a reporting tool developed in-house which interfaces with Banner Student Administration System (SAS).

Further progress on several major IT initiatives are planned for 2005-2006, some of which includes the complete rollout of the Banner SAS system to support full online registration for the 2005/2006 academic year; implementation of a policy management framework based on the ISO 17799 standard, to communicate IT Policies to all users; establishment of an eCommerce Framework for processing online money transactions to St. Augustine; re-engineering Campus IT Services (CITS) Business Processes to improve the level of service with respect to software procurement, CAN/LAN network modifications, PC Support, Wireless notebook configuration, and others; completion of the implementation of the new CAN management and wireless security platforms; upgrade of the Internet service by sourcing an alternate ISP for redundancy, and implementation of more granular bandwidth management for video applications; implementation of a redundant fibre link to both Data Centres on the CAN, and upgrade the fibre plant to support Gigabit connectivity to select locations; establishment of the CAN at the Faculty of Medical Sciences as an extension to the CAN at St. Augustine; implementation of a Fire Suppression and Prevention System at both Data Centres on the CAN; and development and implementation of a Campus Business Continuity/Disaster Recovery plan.



Student Amenities & Services

In response to the Campus' accommodation needs construction on several new student housing projects commenced in the review year.

ACCOMMODATION

The bumper student intake in academic year 2004-2005 spawned an analogous increase in demand for on-campus accommodation. Another housing issue was the gender skew in the campus student population without corresponding adjustment reflected in the composition in the halls.

Confronted with this perennial difficulty of housing shortages, the University's administration restructured the accommodation selection process, to ensure that first year students (foreign and local), and special case students such as those who were differently-abled were treated as priority applicants. Unfortunately, in this new prioritisation, some fourth year students resident on the Hall were asked to seek alternative accommodation.

To compensate for the shortfall in on-campus housing, the Student Advisory Services offered

strong support in assisting students with finding appropriate accommodation off-campus.

OASIS, the online database and website featuring off-campus accommodation, was updated in the review period with the new information received following the advertising campaign. To date there are approximately five hundred (500) registered landlords in this accommodation database.

With the appointment of the Residence Manager for Halls and an Assistant Manager for the Mount Hope facility in September 2004 the focus has been on facility improvement and service standardization.

In response to student needs approximately TT\$350,000 worth of appliances has been replaced on the Halls. In addition, the University has committed itself to facility expansion. A new block at Milner hall, which will accommodate a further 150 residents,

is expected to be complete by June 2006. Canada Hall will also receive a TT\$2 million dollar facelift, which would include installation of new windows and electrical overhaul on the residence blocks, the construction of a new common room and the upgrade of the administration block. Similarly, space expansion is being considered at Trinity Hall and a new recreation facility to complement the Joyce Gibson Innis Hall at Mount Hope is being thought-out. Imminent is the construction of a new hall on the St. John's road site, which will provide accommodation for approximately 500 students. Simultaneous improvement in the access to off campus accommodation is also expected to address the accommodation demand issue.

In 2005-2006, emphasis will also be placed on the development of systems for disaster preparedness – to provide communication, shelter and emergency rations to deal with potential natural or contrived disasters. In response to the growing safety concerns in the wider society, discussions relating to guidelines for occupancy are on going in the spirit of student involvement. The new guidelines are to be implemented in 2006-2007.

Facilities

The need to provide adequate variety of quality food led to the issuance of a number of new concessions and prompted existing concessionaires to remodel their operations in keeping with the Campus vision in 2004-2005. Work on the JFK Food Court progressed significantly. Following the opening of the Mario's Pizza outlet in 2004, plans developed for the relocation of the Veg Out operation from the then JFK Cafeteria. Negotiations were finalized for the installation of a Subway Franchise and fully refurbished space for the Campus KFC outlet. The revision of space allowed for greater accommodation for seating in the main cafeteria area and the space was sealed off and air-conditioned for greater comfort.

With regard to student amenities, plans for the upcoming year include the further development of the JFK Food Court, as well as the addition of a computer laboratory, mobile phone services, and a business centre.

Careers and Placement

The Careers and Placement section undertook a number of activities for the reporting period, including the World of Work (WOW) Series, Graduate and Vacation Employment, Cooperative Training Programme, Career Advising Programmes and Career Resources.

World of Work Programme

The three-part World of Work (WOW) programme is a collaborative initiative of the Student Advisory Services and Marketing & Communications Offices of The University of the West Indies, St. Augustine, and the UWI Alumni Association (Trinidad & Tobago Chapter) and corporate sponsor Republic Bank Limited. WOW is geared towards helping students successfully crossover into the working world. It instils professionalism and a sense of responsible citizenship among graduands who are expected to take up leadership roles in our society. The participation of approximately eight hundred and fifty (850) students in the 2005 World of Work programme, which consisted of a Seminar, Mock Interviews and Recruitment fair, made this initiative a resounding success. Student feedback, through evaluation forms, revealed the high value that students ascribe to the WOW programme. Worthy of note also is the significant increase in corporate participation in the recruitment segment of the WOW programme, with forty-six (46) Trinidad-based companies, and three regional companies attending.

In Focus

UWI's newest hub...At first glance, everything but eating seems to be happening in the upgraded, enclosed and fully airconditioned JFK Food Court. There are students everywhere at the chairs and tables in the Marios/Blimpies and Subway sections as well as the general seating area which also features a KFC outlet. Liming, checking makeup, downloading the latest hits, studying, or finishing up that ubiquitous paper, project or assigned reading, all seem to be the order of the day. But the rows of uniformed workers look tired enough, plying a busy trade of sandwiches, salads, pizza and "Student Specials", it seems, from breakfast right through to dinner. The demand is evident from the fact that this latest expansion in UWI dining has in no way reduced the traffic at the other more senior food outlets nearby, including the SAC Café, VegOut, Yvette's and Mary's which serve authentic local cuisine.

Science & Agriculture students Ronalene and Malika, confirmed my observations concerning the JFK Food Court.

R: "We eat here every day...from the different food outlets...It's good for interaction, seeing people from our class and different faculties."

M: If we come on campus in the morning and don't see someone, we pass here. You can usually find people here, not only at lunchtime but any time of the day."

Just around the corner at the new Rituals Café, the image is the same, although the coffee, tea and snack choices are more varied, and the am-



bience somewhat more luxurious, with students grouped under blue lamps in contemporary stainless-steel chairs, conducting animated study groups at huge wooden tables, or ensconced in plush sofas.

First years Bhidesh, Nirvana and Priya had this to say about the new Rituals dining option. "We come here at least once a week...It's at the centre of UWI, close to everything. It's one of the most popular liming spots in UWI. People always pass through here. [They come] for the coffee alone (laughing) - helps us stay awake to study. We eat in the other [JFK] Food Court as well. You get to play cards there."

A game of "All Fours" anyone? That settles it - UWI's latest food court is a new hub for student life.

Temporary, Vacation and Graduate Employment

There were approximately five hundred (500) applicants to the UWI Temps programme this year. Records indicate that more than 200 students received jobs both on and off-campus through the UWI Temps facility.

Approximately five hundred (500) applications for vacation employment were received from students in the review year. This year the increased company involvement in the vacation employment scheme, resulted in more than 50% of applicants being placed in jobs, with the majority of placements being off-campus.

The entrance of new telecommunications service providers Digicel and Laqtel on the labour market, along with a series of presentations made to Chambers of Commerce and Rotary Clubs throughout the country boosted this year's graduate employment rates, with many of our graduates becoming employed within two month of writing final examinations.

Cooperative Training Programme

In 2004-2005, special attention was placed on reviving the Cooperative Training Programme. A total of nine (9) students were involved in this year's programme. Six students received placements at Petrotrin, two at CCN/TV 6 and one at the St. Augustine Campus' Marketing & Communications Office.

Career Advising and Resources

Four small workshops were held during the course of the year for students who were interested in planning their careers. These one-hour sessions attracted a total of forty-four (44) students. Several companies/organizations were invited to make

presentations to students about career options and paths in their respective organizations. Participating companies included Red Stripe/Diageo, CCN/TV6, and the Ministries of Agriculture and Education, Trinidad and Tobago. A total of three hundred and sixty-one students (361) attended these workshops.

In terms of resources, a small career resource library has been developed with books, pamphlets and newspaper articles for student consultation.

Financial Assistance

In 2004-2005, the Campus continued to assist students through the Emergency and Hardship Loans and Grants scheme.

For the academic year 2004-2005, The UWI Development & Endowment Fund offered 100 bursaries to students across all faculties. The faculties gaining the most awards were Science and Agriculture with 24 and Medical Sciences 22. Following were Engineering with 21, Humanities & Education 18, Social Sciences 14 and Law 1. It is useful to point out that, outside of the Fund's efforts, the first two faculties do not normally attract many bursaries and scholarships.

Having achieved the target of awarding 100 bursaries to deserving students on the Campus in 2003-2004 the UWI Development and Endowment Fund squarely faced the challenge of sourcing the TT\$500,000 to live up to expectations in 2004-2005. Once more the chief vehicle was the annual UWI All Inclusive Fete. With the presence of a fair cross section of leading personalities, including the President of the Republic, the event was once more a social as well as a financial success and the profits were invested to generate income for future awards.

In Focus

Student to student...“I need all the help I can get” was the honest admission of UWI student Wendell Pollai, a teacher at Rosary Boys RC primary school and participant in UWI St. Augustine’s Student to Student Assistance Scheme (SSAS).

His sentiments are shared by countless first-year students who face the sometimes daunting task of navigating the administrative, financial, academic and social requirements of being a UWI student. Thankfully, the Office of Student Services under Director Deirdre Charles, launched SSAS – a programme that connects new students to a more experienced colleague in their Faculty, to help guide them through the transition to UWI life.

Through this programme, Wendell was connected to Jinelle Schulere, a 2nd year student completing a BA in English Language with Education. As his SSAS mentor, Jinelle arranged a meeting with Wendell’s Head of Department to discuss the clashes in his timetable, so that he would not be behind at the end of his first year.

Wendell, Melissa Roberts and Audain John, three of Jinelle’s “mentees”, have a lot in common. They are all primary school teachers. They also face the added challenge of being working students pursuing their first degrees. Jinelle helped them register, outlining a balanced course-load that was feasible for them as part-time students, gave them a tour of the campus and even introduced them to



faculty and staff in their departments. Bearing in mind their working schedule, and given that they “all live in the Port of Spain area”, she “collected...and returned forms [to the various offices, on their behalf].”

After the challenges of the first week of their first semester, they all went out to eat and relax. While socialising, Jinelle shared some of the prospects their programmes could open up for them in the world of work, as well as the possibility of going on to attain their Masters degrees. Even when having fun, Jinelle takes her responsibility very seriously, seeing herself as part of a network of support. “They are teachers, and education is the field I am heading into. I know that at the end of the day they will be going back out into the field to help other students.”

During the period under review donations from the private sector and professional bodies the Fund provided an additional 127 awards comprising 37 scholarships valued at TT\$10,000 or more and 90 bursaries below that limit.

To date the Development & Endowment Fund has awarded TT\$4,645,000 in bursaries through funds earned through Committee projects. In the 2005-2006 academic year, the Fund plans to introduce another fundraiser, the UWI Golf Challenge. It is expected that this benefit will offer a projected increase of 50 bursaries in 2005-2006.

Student Support

New schemes like the Student-to-Student Assistant Scheme (SSAS), Information Bar and UWI Life – An Extension have been introduced with the specific objective of helping our new students with their transition into Campus life.

The innovative Student-to-Student Assistance Scheme (SSAS) developed by Student Advisory Services, matches second and third year students to new students according to their academic background and co-curricular activities. In this ‘buddy system’, the senior students offer advice and support to their younger counterparts.

The Information Bar, held during the Guild of Students Orientation Week provided details of the various student programmes and services that are available on Campus.

The UWI Life – An Extension programme held in September 2004, sought to assist part-time and full-time mature students with their transition onto Campus. In developing this forum, consideration was given to the specific need of this group of students. Thus the session targeted specific issues

such as making adjustments in the areas of finance, family responsibilities, University mode of learning, studying and working. Overall, the feedback from this initiative suggested that the session was enlightening, encouraging and motivational.

Health Services

The Health Service Unit continued to serve the growing student population with free primary health care and related services, with the focus in 2004-2005 being to assume an active role in campus health, safety and prevention issues.

During the academic year 2004-2005, a total of 7,053 students sought medical advice for a variety of complaints. The Evening clinic continued to be a success with 2,324 students availing themselves of this service. The Health Promotion Clinics continued to be one of the more successful strategies at the Health Service Unit, as an increasing number of students accessed vaccinations, birth control, pap smears and HIV testing.

The Office for Students with Disabilities was established in collaboration with the Student Advisory Services. The appropriate staff and facilities are still outstanding and this is proving to be of some hindrance, however disabled students will continue to be offered equal opportunity at the university level and reasonable accommodation services will be offered to these students in keeping with the Charter of Human Rights.

A highlight in the year under review was the successful completion of a “Smoking Survey” on campus. The Health Service Unit in collaboration with the Coalition for a Tobacco Free Trinidad and Tobago embarked on a health promotion drive to reduce the prevalence of tobacco use at the St. Augustine Campus. Two major initiatives were

undertaken: 1) a student opinion poll on the prevalence of smoking and their views towards a Tobacco-Free campus, and 2) the development of a Policy for a Tobacco-Free campus.

Current estimates show that approximately 17% to 25% of teenagers between the ages of 17 to 24 are habitual users of tobacco. Results of the Smoking Survey completed on Campus revealed that 11% percent of the sample population were current smokers with just about double the number of males than females.

The Counselling Unit has continued to be a vital part of student life over the years. For the academic year 2004-2005, 281 new students accessed counselling for a variety of issues ranging from simple academic issues to more complex psychological issues. The number of students referred for psychiatric intervention and indeed those recorded directly at the Psychiatric Unit, EWMSC together with the unfortunate incident of suicide is a matter of concern, and raises a number of issues both for our service and the administration.

With the expansion of the student body at The University of the West Indies, the services at the Health Service Unit require additional staff. In the 2005-2006 period, three additional positions at the Health Service Unit will be established to meet this increasing demand of students.

The Health Service Unit will continue to strengthen its efforts to promote health education across the Campus. In this regard, several initiatives are planned for the 2005-2006 year. Some of these include the implementation of the services of a second Medical Officer and Student Counsellor from 12.00 noon – 8.00 p.m.; the establishment of a weight loss clinic in association with SPEC;

introduction of specialized Sexual Health and Women's clinics once per week, as well as the reintroduction of the Lifestyle clinic; outreach programmes at Halls of Residence; increased workshops/seminars on health-related issues; implementation of a "Hot Line"; and the resumption of the Peer Counselling Programme.



Outreach & Public Education

Public service to Trinidad & Tobago and the wider regional community continued through a robust social, cultural and educational agenda.

COMMUNITY SERVICE

Lectures and Conferences

During the year, the Campus maintained its extensive programme of well-attended public lectures and conferences. Highlights included:

The Howard Gardner Lecture Series, hosted by the UWI Institute of Critical Thinking in collaboration with the Ministry of Education. These lectures enabled thousands of teachers, UWI staff and members of the public to discuss ideas and issues related to multiple intelligences and education.

Earl Lovelace's 70th Birthday Conference, celebrating the works of the acclaimed playwright and novelist.

Renowned Obstetrician and Gynaecologist, and Honorary Professor and Consultant at the University of Dundee, Ninewells Hospital **Lord Naren Patel's** lecture on the *Clinical Effectiveness, Standard Setting and Quality in Health Care*.

The Quality Enhancement Conference entitled *Quality Enhancement: Innovation and Change*. This conference hosted by the Office for Undergraduate Studies provided the forum for considering "the sort of educational environment and educational process that must be created, from birth to foster the development of students who will have developed the intellectual, social and emotional competencies required" for success in the 21st century.

The Conference on the Soufrière Hills Volcano – Ten Years On, which was organised by the Seismic Research Unit in collaboration with the Montserrat Volcano Observatory in commemoration of the 10th anniversary of the eruption of the Soufrière Hills Volcano in Montserrat.

The Caribbean Arts Education Symposium held jointly by the Centre for Creative and Festival Arts and UNESCO, which addressed *The Practise and Prospects of Arts Education for Societies in Crisis*, and provided a forum for teachers, students and policy makers concerned with the implementation and development of CXC and SEMP Secondary Schools Examinations in Performing and Visual Arts.

The University continued its **Distinguished Lecture Series** highlighting an array of internationally renowned scholars. This year's Lecture Series included Professor Eric Hershberg of Columbia University, Professor Graeme Bell of the University of Chicago, and Professor Raymond Gosling of King's College.

In 2004-2005 the Campus also launched its series of **Professorial Inaugural Lectures**, featuring presentations from the Campus' very own highly respected Professors on contemporary issues and current research. The Professorial Inaugural Lecture Series for 2004-2005 included lectures by Professors Kelvin Singh, Patrick Joseph Hamilton, Brinsley Samaroo, and Adebayo Aina.

Sporting events

The St. Augustine Campus was in the limelight in 2004-2005 for the hosting of international and regional sporting events. The Sport and Physical Education Centre organised its first **International Half Marathon** – the first IAAF internationally registered road race as well as the first traffic-free road race in the Trinidad and Tobago. This one-of-a-kind event in the region attracted approximately 400 participants including top-rated international and regional runners as well as University students and staff. The UWI SPEC Half Marathon was praised in a local newspaper “as a model for all other sporting events to follow”.

Another memorable occasion during the review period was the Campus' hosting of the **Vice Chancellor's Cricket Week**, an event that has become a tradition in regional cricket over the last decade. The week featured a range of activities involving local, regional and international cricketers, and culminated with an exciting two-day match between the Vice Chancellor's XI and the touring South African Cricket team. Over 8,500 enthusiastic

supporters gathered at the newly refurbished Sir Frank Worrell field to see the UWI Vice Chancellor's XI – captained by the legendary Ridley Jacobs, and consisting of international cricket stars Habibul Bashar of Bangladesh, Shikhan Dhawan of India, Tino Best of Barbados, Ryan Ramdass of Guyana and Dave Mohammed of Trinidad and Tobago – battle the South Africans for the Vice Chancellor's Trophy.

Stakeholder links

The University continued in 2004-2005 to develop and strengthen its links with its key stakeholders through a variety of programmes and initiatives.

Schools

Examples of the University's engagement with the local and regional Ministries of Education and schools over the review period included its partnership in the hosting of the **Howard Gardner Lecture Series**, and the **Science Education Workshop**, to name a few.

The Howard Gardner Lecture Series gave educators from across the country an opportunity to attend workshop sessions on multiple intelligences and education featuring the world-renowned Harvard/Boston University Psychologist and Neurologist. Howard Gardner's theories are of importance to teacher education and professional development, and can have a profound impact on the teaching/learning process. His theories have motivated teachers to develop non-traditional ways of helping all students in classes.

The Science Education Workshop organized for secondary school teachers and curriculum officers from the Eastern Caribbean provided a forum for rethinking and redesigning the approach to teaching and learning both in and out of the classroom.

In Focus

Helping sick children...A toddler laughs loudly in the background and talks to his brother in the secret language of young children. Leslie Sookoo speaks gratefully about the programme that helped her sons become the healthy children they are today.

Johan and Tariq were born with anal atresia, a defect of the intestinal tract. At birth they were given a colostomy by Dr. Barrie Landreth-Smith, one of the paediatric surgeons at the Mount Hope Women's Hospital, who advised Mrs. Sookoo that they were not adequately equipped to treat her children's condition, and referred her to the Sick Kids Hospital in Toronto, Canada. After months of research and fund-raising, she took the babies abroad for two surgical operations (one on Mother's Day and the other on the 4th of July).

"[Dr. Langer], the physician taking care of my boys told me about the [UWI Telehealth] programme. He said that it would save me money because I would be able to communicate with him via videoconferencing and make fewer trips to Canada."

The Telehealth programme was established by the collaborative effort of the UWI Faculty of Medical Sciences, the world-renowned Sick Kids Hospital,

the Atlantic LNG Company of Trinidad & Tobago (T&T), the Herbie Fund and the Ministry of Health (T&T). It was formally launched under the patronage of His Excellency Professor George Maxwell Richards on September 14, 2004 to the great satisfaction of Professor Zulaika Ali, Programme Director.

Through innovative teleconferencing technology, "real time" consultations take place between local health care professionals and specialists at the Sick Kids Hospital. The linkage also strengthens local continuing medical education in paediatrics and its sub-specialties, as well as promotes and supports collaborative research between medical investigators in Trinidad & Tobago and Canada.

Mrs. Sookoo is a willing advocate of the programme saying, "Nisa Phillip [Programme Manager] was very helpful in making all the arrangements. The appointment went well. It was just as if we were there with Dr. Langer. I think that [UWI Telehealth] is efficient and cost-effective a thousand times over. The boys are doing very well. They are as normal as can be, thank God." And thanks to UWI Telehealth which has already benefited numerous children like Johan and Tariq, and is expected to help thousands more.

UWI
tele  health



Industry

In December 2004, The University of the West Indies and Unilever Caribbean Ltd signed a Memorandum of Agreement signed which will facilitate collaborative efforts in the promotion of training and research activities for the region. The partnership will facilitate such activities as workshops, seminars and training programmes; research and extension programmes and projects; research projects relating to theses and dissertations; scholarship programmes for nationals studying at home or abroad; and psycho-social community projects to be initiated by Unilever. Such measures are consistent with the overall vision of the two parties who share a common goal in the development of the Caribbean.

The University of the West Indies partnered with bpTT (British Petroleum) to launch a phenomenal development in polymer research technology. The Polymer Recycling Project represents a move by UWI and bpTT to engage in extensive polymer recycling research in the Caribbean. If commercial viability is achieved on this project, it could address significant environmental concerns presented by plastic waste.

Community

In September 2004, the St. Augustine campus successfully launched its **Telehealth Programme**. This collaborative project involving the Faculty of Medical Sciences and the Hospital for Sick Children, Toronto, Canada, and supported by Atlantic LNG Company of Trinidad and Tobago, The Herbie Fund and the Ministry of Health, Trinidad and Tobago makes sub-specialty healthcare available to underprivileged children and families who are unable to access such care either locally or abroad.

The innovative teleconferencing technology provided through the Telehealth Programme gives local health care professionals and specialists the opportunity to conduct *real time* consultations with colleagues at the Toronto Hospital for Sick Children. The linkage also strengthens local continuing medical education in paediatrics and its sub-specialties, and promotes and support collaborative research between medical investigators in Trinidad and Tobago and Canada. Thousands of children are expected to benefit from this project. Apart from accessing specialist services for paediatric cases, especially where families are not able to send their children abroad for expensive medical attention, the potential savings in providing such medical services locally are substantial.

Following a very active hurricane season in 2004, and in response to the long recognised need to develop the region's multidisciplinary training and research in disaster management and risk mitigation, The University of the West Indies launched the **Centre for Disaster Management and Risk Reduction**, which will provide the requisite training and technical expertise to complement the work of the Caribbean Disaster Emergency Response Agency (CDERA). The establishment of the Centre will provide an institutional mechanism for harnessing this capacity at the University and using it to develop and implement training, research, advisory and outreach services to enhance disaster management and mitigation in the Caribbean region.

Public Service

Across the Campus, staff members continued to serve the country and region through membership on various boards, cabinet-appointed and other committees, non-governmental bodies and professional institutions. Noteworthy was the University's role in the Vision 2020 Planning exercise. The University's Arthur Lok Jack Graduate School of Business, (formerly the Institute of Business) was commissioned to write the National Strategic Plan for the achievement of Vision 2020. Further, several staff members were also appointed to serve on Sector Specific Sub-committees, including Pro Vice Chancellor and Campus Principal, Dr. Bhoendradatt Tewarie, who served as Committee Chair on the Tertiary Education Sub-committee. These twenty-eight (28) sub-committees appointed by the Vision 2020 Planning Committee play a crucial role in government's thrust to elevate Trinidad and Tobago to developed country status by the year 2020.

CONTINUING STUDIES

The main outreach arm of the St. Augustine Campus, the School of Continuing Studies (SCS) in 2004-2005 continued to make significant strides in meeting the growing educational and developmental demands of the society.

In support of its mission to promote lifelong learning throughout Trinidad and Tobago, the School established another satellite centre at the UWI Credit Union building on Wilson Street St. Augustine. This space is already developing as a regional Telecommunications Training Centre. Approval has been granted for the expansion of the centre at Signal Hill Tobago, which will house an IT centre, science laboratories, ultra modern library and specialised classrooms.

Even as the School moves towards a more legitimate alignment of its programmes with mainstream campus, in 2004-2005, it 'broke with tradition' by mounting its Associate Degrees, in Business Management, Public Sector Management, Administrative Professional Office Management, and Dental Assisting.

In the review period the School's Learning Skills and Information Technology Centre on campus continued to grow in popularity among adult learners. The School also strengthened its computer programmes at other centres throughout Trinidad and Tobago, and in so doing provided computer literacy in towns and villages. Notable as well, is the appointment of the School of Continuing Studies as one of the local academies for CISCO.

Encouraged by the support of the main campus, the School of Continuing Studies continued its offering of alternate programmes to 'A' Level. These one-year, full-time programmes (Pre-Science & Agriculture and Pre-Health Professionals programmes) fulfil matriculation requirements for entry into the Faculties of Sciences and Agriculture and Medical Sciences. The Pre-Engineering programme will soon be added to the School's offerings.

In 2004-2005, the School maintained its role in early childhood education particularly in the development of a national curriculum and the education of early childhood teachers throughout Trinidad and Tobago. The Mucurapo Laboratory and Training Centre continued to provide an incubator for many young teachers experimenting with innovative approaches in the teaching of young children. This Centre, which is very popular in the west Port of Spain area, has become an important feeder school to many of the well-known primary schools in the city.

The School is fast becoming a major publisher of West Indian authors. In this review year, the School published a wide range of literature used by students on Campus. Additionally, its material continued to grow in popularity between both the local and international reading public.

During the year, the School continued to manage its finances prudently. Its investment portfolio currently stands at approximately TT\$15 million and income for the year under review reached the \$20 million mark. Excess funds were channelled into social purpose projects, capital expenditure and the investment portfolio.

Cognizant of its role in the adult education the School continued in the review year, to seek to broaden the base in adult learning by empowering adults to improve skills, knowledge and the valuing process in a number of programmes and areas of study. These include the Teaching of Reading, Food Services Management, the Introduction to Counselling, Astronomy and Introduction to Herbal and Nutritional Supplements. Total enrolment in the year under review was approximately 10,000 students.

In 2005-2006, the School will remain committed to assisting in building civic society. Its vision for the future includes the expansion of its social-purpose projects through public education programmes at community centres, and on radio and television. In an effort to provide compensatory learning, homework centres will be established in deprived areas. Also included in the School's plan for the future is the enhancement of its teaching, promotional and marketing capabilities by the utilization of new information communication technologies.

DISTANCE EDUCATION

For the academic year 2004-2005 total enrolment at The University of the West Indies Distance Education Centre (UWIDEC) sites in Trinidad and Tobago stood at 585, a marked increase from 419 in 2003-2004 and 342 in 2002-2003. Enrolment at sites in St. Augustine, San Fernando, Sangre Grande, Mayaro and Tobago continued to grow.

2004 marked a period of transition for UWIDEC starting with the appointment of a new Director, and a regional staff retreat which set the stage for the organization's move to a blended approach to course delivery. During the period under review UWIDEC embarked on several new projects geared to enhance the organization's use of information and communication technologies (ICTs) in the creation of new learning and working environments.

UWIDEC has traditionally offered its programmes using a mix of print, audio-conferencing and face-to-face tutorials, with little use of asynchronous, computer-based technologies. With increasing student numbers over a wider geographical spread, and greater demands being placed on organisation's audio-conferencing network, in 2004 UWIDEC decided to move to interactive methods, which did not require synchronous communication. This incorporation of more asynchronous delivery using computer-based technologies into the mix, considered "*blended learning*", has formed the basis for the blended learning pilot project, which commenced in December 2004. To date the project has resulted in the development of course websites and CD ROMs, training of course coordinators, tutors, and technicians from throughout the region in online learning, and the orientation of students and other stakeholders to *blended learning*.

To facilitate widened computer access, through the UWI/Dell purchasing agreement, UWIDEC staff and students were offered assistance in securing computers. UWIDEC sites in the campus countries were able to purchase computers through their respective campus, while UWI-12 sites acquired systems through the St. Augustine campus. To further assist students, in 2005 discussions will be initiated with RBTT Bank in a bid to obtain special educational financing packages for UWIDEC and SCS students throughout the region.

In July 2005, UWIDEC also became a CISCO Networking Academy with the training and certification of UWIDEC's Telecommunications Manager, Tommy Chen, as a Certified CISCO Academy Instructor (CCAI). 2005-2006 will see work continue on developing this CISCO partnership, in order to be able to incorporate Cisco's world-class online curriculum into the UWIDEC and School of Continuing Studies programmes.

In the review period UWIDEC continued its course development processes. 2004-2005 witnessed the completion of all the courses initially identified for development in the distance education programme. The focus of the course development team in 2005-2006 will shift to the revision of courses more than five years old. Alongside this, the project of setting up an integrated Management Information System (MIS) to facilitate the efficient course delivery is also expected to progress in 2005. A new UWIDEC website, driven by the UWIDEC MIS, will also be launched.

EVENING UNIVERSITY

The Evening University initiative brings flexibility, affordability and innovation of accredited university degrees to meet the demands of the fully employed. Last year, in response to the increasing demand for access to university programmes by those in full employment, the St. Augustine Campus launched a series of accredited Evening University programmes.

In the academic year 2004-2005, the University accepted its first cohort of 231 Evening University students.

Programmes offered in this reporting year included BSc degrees in Banking & Finance, Computer Science, Government, Management Studies, Public Sector Management, Sports Management, Economics; an LLM in Corporate and Commercial Law; and an MSc in International Relations. New programmes to be introduced in the Evening University scheme in 2005-2006 include the Diploma in Public Sector Management, Certificate in Public Administration, and the BSc degrees in Psychology and Sociology.

ALUMNI RELATIONS

This reporting period was a successful one for the UWI Alumni Association (Trinidad & Tobago Chapter), as the Association continued to dedicate resources, through the mobilization of graduates, to the advancement of The University of the West Indies as a centre of excellence in the Caribbean.

2004-2005 was characterized by heightened activity and new initiatives to enhance the awareness and image of the Association.

As part of its efforts to increase the awareness of the community about the work of the Alumni the Association re-launched its website in July 2005.

The Association embarked on several fund-raising ventures in the period under review including *Cultural Rhythms I*, the *International Wine and Cheese Festival*, and the *Independence Day Cruise*, all of which were financial and social successes.

The Association's Distinguished Lecture Series, which highlights the work of UWI Graduates and the recipients of bPTT Fellowships, was another highlight of this period. The 2004-2005 Series featured the research work of Dr. Brian Copeland, Senior Lecturer in the Department of Electrical and Computer Engineering on the St. Augustine Campus who received a BPTT Fellowship to undertake research work on Steel-pan Technology. The objective was to formally inform the public, potential benefactors and the University population about the creation of the Steel pan Research Laboratory.

During the past year the Alumni Association continued to contribute to the development of the University through its members, who served on several University committees and supported a number of campus initiatives such as the Annual Mentorship and World of Work programmes.

The Alumni Association also continued its Bursaries & Scholarship Scheme. At the 2004 Ceremony, the Association donated TT \$5,000 to the UWI Main Library as well as offered an additional six bursaries, valued at \$6,000 each. This increased their total number of bursary awards to ten. This year the Alumni Executive successfully negotiated a Postgraduate scholarship valued at \$36,000 for a

one-year research programme to be undertaken by Mr. Fasil Muddeen, an MPhil student in the Electrical and Computer Engineering Department of the St. Augustine Campus.

2004-2005 was a rewarding one for the Alumni in many ways. In 2005-2006 the Association will continue to work hard to ensure that the Trinidad and Tobago chapter continues to make a significant contribution to the development of the University and its students.



International & Regional Engagement

Improving the international and regional reputation of The University of the West Indies remained a high priority item for the St. Augustine Campus in the review year 2004-2005.

The Campus focused heavily on developing collaborative links with institutions across the globe, attracting more international and regional students and advancing its international programmes and study abroad schemes. The International Office has been shifted directly to the Office of the Campus Principal and is now led by Indrani Bachan-Persad who is also the Executive Assistant to the Campus Principal.

INTERNATIONAL LINKAGES AND RECRUITMENT

For the period 2004-2005, 14 new institutional agreements including Memoranda of Understanding were signed with universities in the United States, Canada, United Kingdom, South Africa and South America. As a follow up to the signing of agreements and, also, to strengthen inter-institutional links at faculty/department level, delegations from 15 foreign universities were hosted by the St. Augustine campus.

This internationalization strategy yielded 152 exchange students over this period, of which the largest group came from the USA followed closely by students from Columbia and Canada. The Faculty of Humanities and Education registered the largest intake of students, followed by Engineering, Social Sciences, Medical Sciences and Science and Agriculture respectively. Statistics show that only a few of our own students took up exchanges. Our student strategy in 2005-2006 will therefore focus on activating the MOUs/Agreements to give our students every opportunity to have a truly international education by spending at least one semester on exchange, at a university abroad prior to graduating from the St. Augustine campus.

The International Office also developed study abroad programmes for those students who wish to spend short periods focused on special areas of study at the St. Augustine Campus. In this regard, the Office successfully developed and marketed a



In Focus

Getting serious about natural disasters...The devastation of Grenada by Hurricane Ivan prompted the Head of the Civil Engineering Department at UWI St. Augustine, Mr. Raymond Charles, to establish a team which visited the island shortly after the passage of the hurricane, to evaluate its impact. Professor Winston Suite, a member of that team, is one of several persons in the department who, according to Mr. Charles, "ha[ve] a long history of involvement in disaster-preparedness and recovery throughout the Caribbean." Their findings were handed over to the Grenadian government for presentation to lending agencies and for the subsequent development of a portfolio of reconstruction projects. "The initiative", Mr. Charles noted, "has [also] spurred the regional university toward the establishment of a regional centre for disaster management headed by Pro-Vice-Chancellor Wayne Hunte and the Office of the Vice Chancellor."

In the process of the evaluation, Professor Suite shared, "we saw that about 80-90% of all buildings had lost their roofs and most of the schools that had been earmarked as shelters were severely damaged, which called for a serious reconsideration of the construction of shelters... We suggested that the Grenadian government take advantage of the facilities that we have here at the University in Construction Management and Disaster Management...[such as] the Postgraduate Diploma by distance." Certain members of the Civil Engineering faculty even volunteered to "run short courses in Grenada at no cost, in order to assist them in developing proper long-term vulnerability reduction and disaster management systems." The Department hopes that these offers will be taken up in the near future.

Furthermore, years before Ivan, in order to develop the University's expertise and outreach in this area, Professor Suite "proposed a Diploma and Masters programme in Natural Hazards Management... which was approved by the Faculty...after which a decision was taken to send it for feedback to the Cave Hill and Mona campuses." According to Mr. Charles, it was returned to the Department with further suggestions and is "in the process of implementation." Pending the establishment of this programme, Professor Suite has "introduced and taught [related] courses...in Environmental Engineering and Construction Engineering," alongside other faculty members and industry experts.

Based on the documents in his office alone, there are a staggering number of projects by UWI students in this area, dating back as far as 1985. He even shared the bittersweet story of "a Grenadian student [Crofton Valentine Hannibal] who was completing an MSc project on...*A Vulnerability Reduction Management Plan for New Housing Projects in Grenada*, when Hurricane Ivan struck. He called me the next day [from Grenada] to tell me that he did not lose the material and was still trying to finish it. He went on to submit it in fulfillment of his Masters in Construction Management."

In Professor Suite's view, Hannibal's story underscores the expertise that must urgently be tapped into by UWI and the region's governments, in order to take the necessary pro-active approach to vulnerability reduction and natural hazards management in the Caribbean.

Natural Disaster Initiatives launched by UWI in 2004-05
Vice Chancellor's Hurricane Relief Task Force
Centre for Disaster Management and Risk Reduction
UWI Expertise Database for Disaster Management and Mitigation
Research Networks in Disaster Management and Mitigation

Caribbean Studies programme which has the potential of generating revenues while highlighting our unique selling point as a Caribbean institution of higher learning.

In order to give our students every opportunity to study abroad, seed funding has been given to two interested faculty members to implement an annual study abroad programme at preferred partner universities by summer 2006. In the coming year, it is anticipated that as the Campus International Office expands its infrastructure to become a fully functional office, more emphasis will be placed on expanding its strategic links as well as on intensifying its marketing thrust to increase our international student intake while increasing the number of outward bound UWI students taking up opportunities at partner institutions abroad.

The International Office will, in the immediate future, place emphasis on the following six (6) vital areas of extreme importance to the St Augustine Campus:

1. Institution-to-institution exchange of students on a reciprocal basis.
2. Study abroad programmes at St Augustine tailored to student groups from collaborating institutions for a fee.
3. Faculty collaboration on research which can simultaneously facilitate postgraduate student exchanges.
4. Collaborating closely with sister International Offices at Mona and Cave Hill to serve UWI and its key stakeholders better.
5. Strengthening relations with International Offices at partnering universities to build a strong support network for students.
6. Specialized study abroad programmes targeted at international Teaching fraternity delivered at St. Augustine.

REGIONAL LINKAGES AND RECRUITMENT

In the review year, the St. Augustine Campus sustained its special collaborative relationships with regional and local teaching institutions like the Sir Arthur Lewis Community College in St. Lucia, Clarence Fitzroy Bryant College in St. Kitts, as well as the Trinidad and Tobago Hospitality and Tourism Institute and the University of Trinidad and Tobago, to name a few.

In 2004-2005 approximately 7% (900) of the total number of full-time and part-time students registered at St. Augustine originated from the regional contributing countries (excluding Trinidad & Tobago).

As part of its regional recruitment drive, staff from the Student Affairs (Admissions) Office, Faculties and Marketing and Communications Office travelled to locations throughout the Caribbean in October-November 2004, to promote UWI's offerings to students. UWI contingents interacted with thousands of high school students, teachers and members of the general public at College Fairs and UWI Open Houses in Antigua, Bahamas, Dominica, Nevis and St. Lucia.

INTERNATIONAL RECOGNITION

In 2004-2005 a number of University staff received recognition for their activities including:

Dr. Brian N. Cockburn, Lecturer and Subject Leader in Biochemistry in the Department of Life Sciences received the **Third World Academy of Sciences (TWAS) Prize** for Young Scientists 2004 in the Caribbean region.

Marketing & Communications Assistant, **Alake Pilgrim** won the **Regional Prize for the Americas** in the **2004 Commonwealth Short Story Competition**.

Professor Balswaroop Bhatt, former Head of the Mathematics and Computer Science Department, was elected Fellow of the Institute of Mathematics and its Applications (IMA) in the UK.

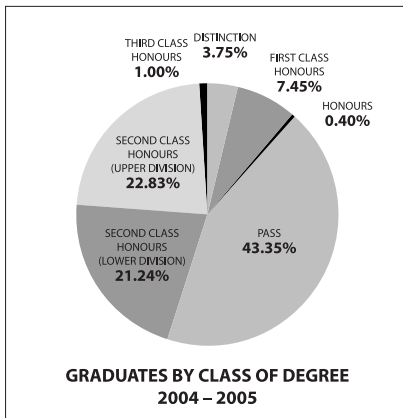
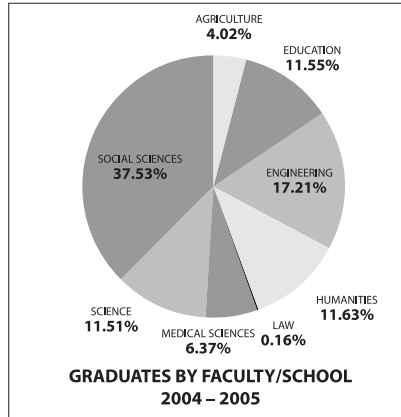
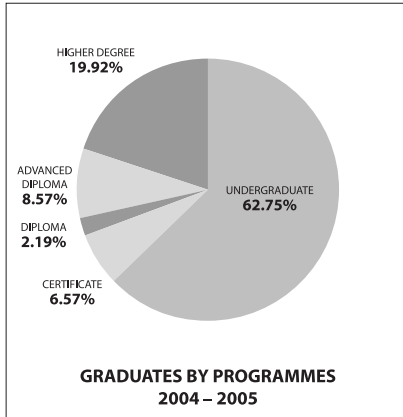
Dr. C. Ogunsalu, of the School of Dentistry also received a Fellowship from the International College of Surgeons in Oral & Maxillofacial Surgery.

The Centre for Gender and Development Studies, **Professor Rhoda Reddock** was also the recipient of a Fullbright New Centuries Fellowship in the review period.

The number of distinguished visitors from foreign institutions in 2004-2005 is also indicative of the increasing international recognition that the Campus is receiving. Last year, the St. Augustine Campus hosted over 113 eminent international and regional personalities, including **Mr. Koichiro Matsuura**, Director General, UNESCO; **Dr. Ruben Silie Veildez**, Secretary-General, Association of Caribbean States; **Erna Brodber**, Jamaican Cultural Activist and Writer; **and Earl Lovelace**, Trinidad-born, Internationally-acclaimed Novelist and Playwright.

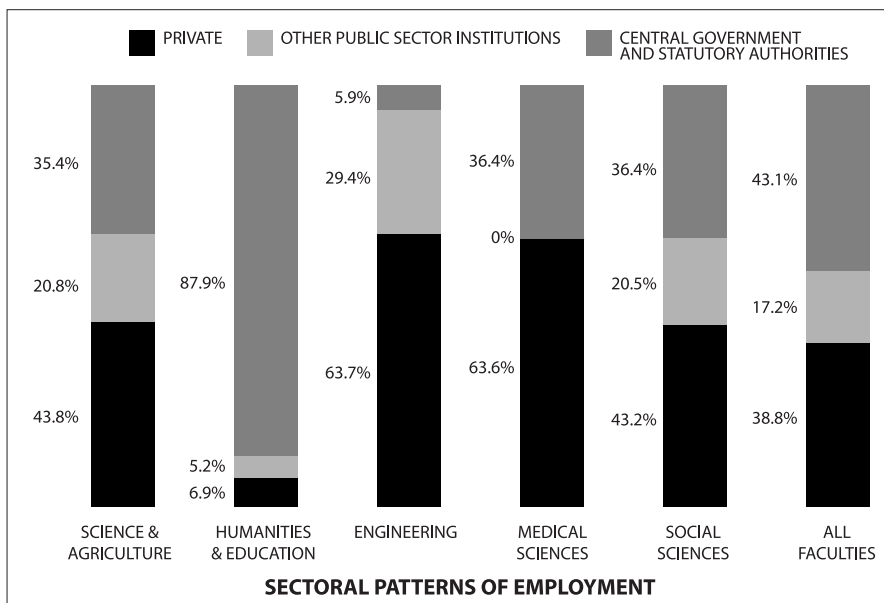
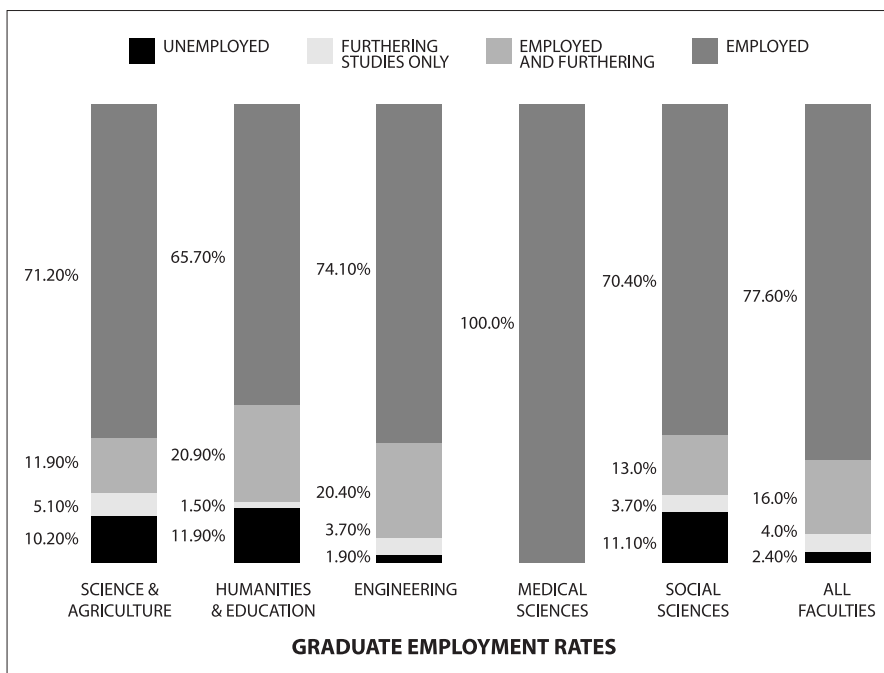


Facts & Figures: Graduation

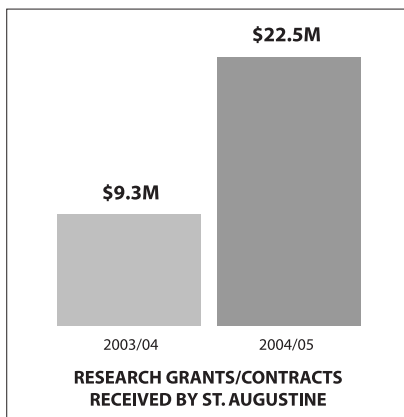
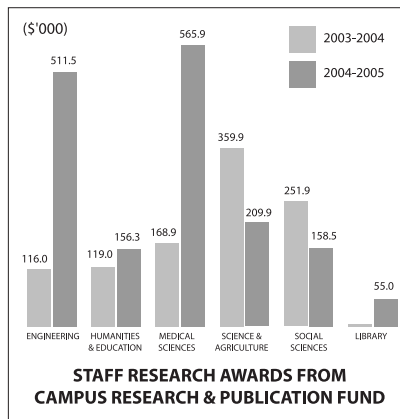
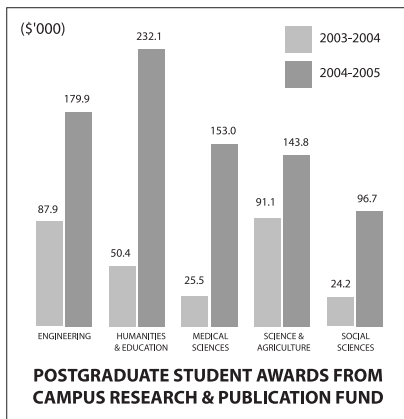
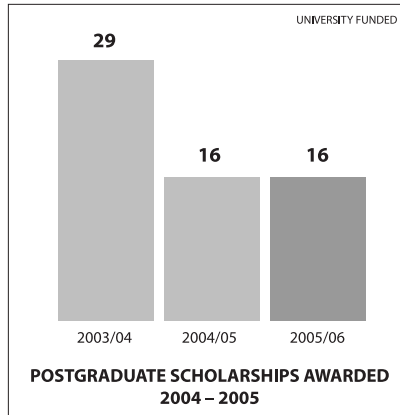
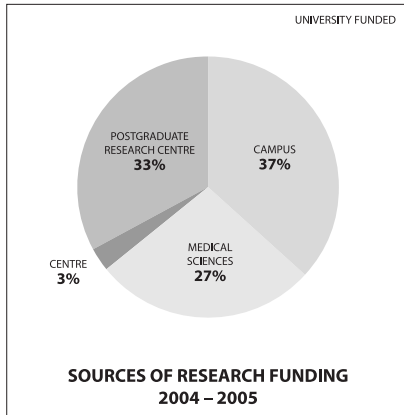


Facts & Figures: Graduate Employment

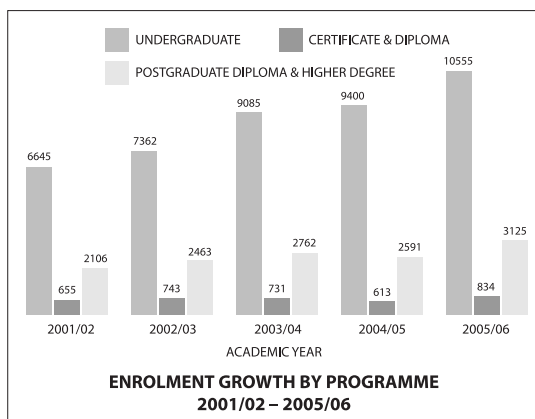
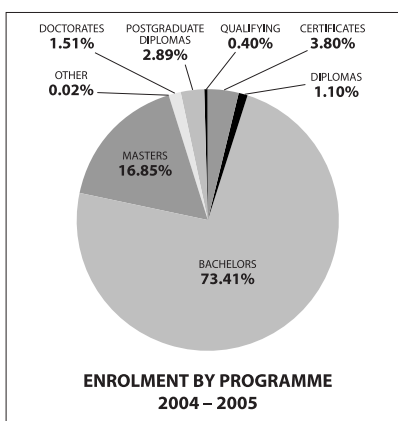
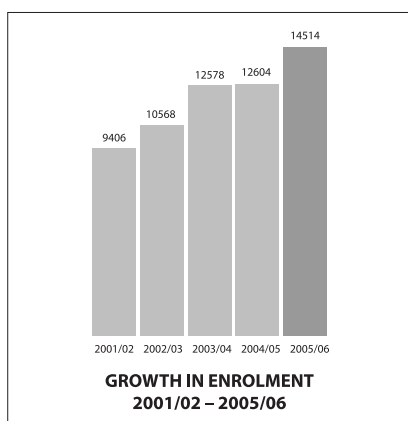
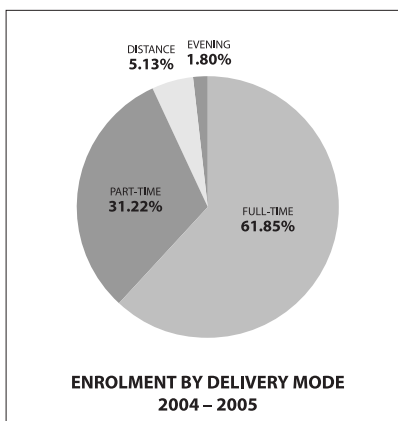
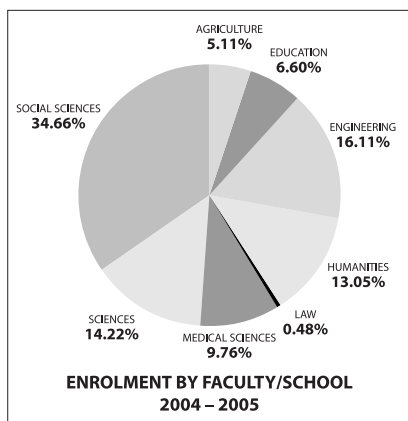
BASED ON A GRADUATE TRACER STUDY OF 2003'S GRADUATING CLASS OF UNDERGRADUATES



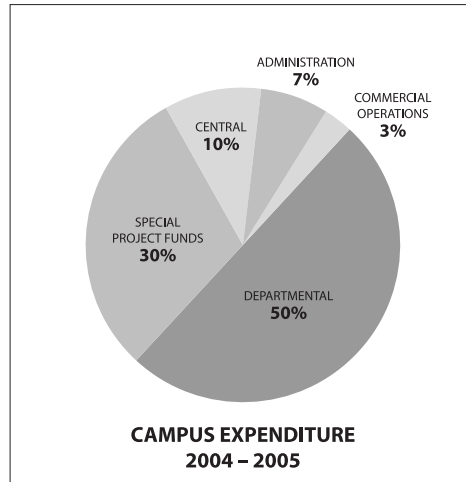
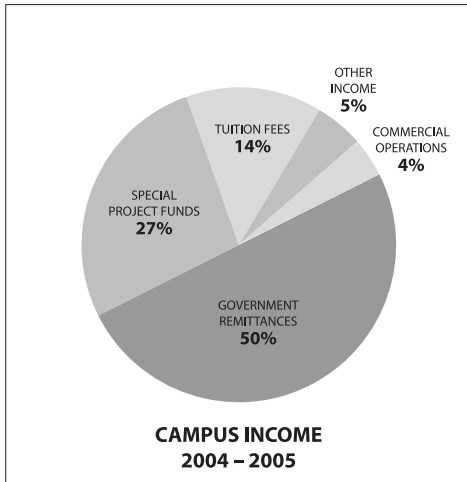
Facts & Figures: Research Funding & Grants



Facts & Figures: Enrolment



Facts & Figures: Campus Income & Expenditure



Public and Professional Service of Staff

CAMPUS SENIOR MANAGEMENT TEAM

B. Tewarie

- Board Member, Caribbean Court of Justice Trust Fund
- Board Member, Trinidad & Tobago National Commission for UNESCO
- Chairman, Vision 2020 Sub-committee on Tertiary Education
- Member, CXC Council
- Member, International Association for the Study of Business and Society
- Member, World Future Society
- Board Member, CL Financial Limited
- Board Member, Republic Bank Limited
- Board Member, Trinidad Publishing Company Limited
- Member, UWI/Florida Friendship Society

G.S. Kochhar

- External Examiner, University of Technology, Guyana
- Member, Board of Engineering, Trinidad and Tobago Committee on Heating, Ventilating, Air-conditioning Code
- Member, Cabinet-appointed Steering Committee to review policy on Tertiary Education, Training and Distance Education and Lifelong Learning
- Member, Editorial Board, Journal of Design, Engineering and Technology (DETECH), Faculty of Technology, U.G.

M. Rouse-Jones

- Member, Editorial Board, Library and Information Association of Jamaica (LIAJA), LIAJA Bulletin.
- Online Computer Library Center, Inc (OCLC) Transition Delegate, Caribbean on the OCLC Members Council: Members Council is a venue for influencing the future of OCLC and in turn Librarianship in general
- Vice-President, Regional Committee for Latin America and the Caribbean for the UNESCO Memory of the World Programm

CAMPUS LIBRARIES

R. Clarke

- Member, Caribbean Association of Law Librarians (CARALL) and Caribbean Publishers Network (CAPNET)

L.C. De Four

- Contributor, Catholic News
- Five week internship at the Smithsonian Institution Centre for Folklife and Cultural Heritage, Washington D.C., June 07 – July 08, 2005
- Vice President, Library Association of Trinidad and Tobago Executive Board (2003 – 2005)

L. Nero

- Liaison Officer, Library Association of Trinidad and Tobago Executive Board (2003 – 2005)

A. Ramnarine-Rieks

- Internship on the management of digital collections at the Cornell Institute for Digital Collections, Cornell University, May 27, 31 – June 01, 2005

K. Rankine

- Represented Trinidad and Tobago Libraries, the Second IFLA Meeting of Experts on an International Cataloguing Code (IMEICC) and served as a leader of one of the Working Groups, Buenos Aires, August 2004

G. Taitt

- Appeared on Gayelle: The Channel to speak about the Eric Williams Memorial Collection on March 25th, 2005

CAMPUS IT SERVICES

N. Alladin

- General Chair, PeopleSoft Caribbean User's Group
- Secretary/Treasurer, University School Association

C. Craig

- Chairperson, Parent Support Group – Student Affairs Committee, Bishop Anstey High School & Trinity College East
- Chairperson, Parent Support Group, Bishop Anstey High School & Trinity College East

S. Mohammed

- Chairman, University School Association

Mr. Frank Yee

- Represented Trinidad and Tobago at the the Sub-zonal 2.3.5 International Chess Tournament in Ecuador, September 2004 and earned the FIDE Master (FM) International Chess Title

CENTRE FOR CRIMINOLOGY & CRIMINAL JUSTICE

R. Deosaran

- Advisor, CARICOM Regional Task Force on Crime and Security, based in Trinidad and Tobago
- Advisor, Government of St. Lucia's National Crime Commission, St. Lucia
- Chairman, Joint Select Committee of Parliament to Enquire and Report on Service Commissions and Municipal Corporations (with the exception of the Judicial and Legal Services Commission), Trinidad and Tobago
- Independent Senator appointed by the His Excellency the President, Republic of Trinidad and Tobago to the Eight Parliamentary Session of Parliament, Trinidad and Tobago
- Member, Ethics Committee, Ministry of Health, Trinidad and Tobago
- Vice Chairman and Advisor, Caribbean Task Force on Community Policing established by the Association of Caribbean Commissioners of Police (ACCP), Barbados

I. Ramdhanie

- Member/Representative, Centre for Criminology and Criminal Justice, Cabinet Appointed Inter-Ministerial Committee to Treat with Ex Prisoners, Ministry of Social Development, Trinidad and Tobago
- Member/Representative, Centre for Criminology and Criminal Justice, Cabinet Appointed Parole Introduction Committee, Ministry of National Security, Trinidad and Tobago
- Member/Representative, Centre for Criminology and Criminal Justice, Vision 2020 Sub-Committee on National Security and Physical Safety, Ministry of National Security, Trinidad and Tobago

CENTRE FOR GENDER & DEVELOPMENT STUDIES

P. Mohammed

- Member, Advisory Board, Global Networks: A Journal of Transnational Affairs, Blackwell Publishers, Oxford
- Member, Editorial Board, Feminism Review, Routledge, U.K.
- Member, Editorial Collective, Small Axe, Journal of Caribbean Criticism, Indiana University Press
- Member, Executive Council, Caribbean Studies Association
- Member, President's Committee on National Self-Discovery (2nd Term)
- Member, Principal of Fairness Board, Trinidad

R.E. Reddock

- Associate Editor, Journal of Latin American and Caribbean Ethnic Studies
- International Advisor, The Global Fund for Women
- Member, Board of Directors, Mt. Hope Patients' Trust Fund
- Member, Editorial Advisory Board, Gender, Science, Technology and Development Journal
- Member, President's Committee on National Self-Discovery (2nd Term)
- Regional Representative (Caribbean) Research Committee 32, International Sociological Association

DISTANCE EDUCATION CENTRE

T. Chen

- Associate Member, Association of Professional Engineers of Trinidad & Tobago (APETT).
- Member, Institute of Electrical and Electronics Engineers, Inc. (IEEE)
- Member, University Working Group for Information Security (UWGIS), UWI

D. Thurab-Nkhosi

- Member, Board of the National AIDS Hotline
- Mentor, St. Francois Girls' College Sixth Form students

FACULTY OF ENGINEERING

Chemical Engineering

C. Abder

- Course presenter: Drilling Engineering (MSC Oil & Gas Programme), UTT
- Hon President, Avocat Village Sports Club
- Member, Chemical Engineering Department Safety Committee
- Non-professorial member, Campus Academic Board

G. Baccus-Taylor

- Director, Board of Management, Caribbean Industrial Research Institute (CARIRI)
- Reviewer, Tropical Agriculture, Journal of the College of Agriculture, Faculty of Natural Sciences and Agriculture, University of the West Indies, St. Augustine, Trinidad.

R. Dawe

- External Examiner, Advanced degree, Heriot-Watt University, Petroleum Engineering Department.
- Member, Editorial Advisory Board for the International Journal "Energy Sources" and "tt_nrg".
- Member, Selection Panel, Scholarship and Advanced Training Division, Ministry of Public Administration and Information
- Member, St Augustine Student Disciplinary Committee
- Refereed research applications for funding for the UK EPSRC (Research Council) and for the University of Kuwait
- Refereed research papers for international journals, including J Chem Eng Data, Transport in Porous Media, J Colloid and Interface Science, SPE J, J Petroleum Science & Engineering, J Petroleum Geology, Journal of the University of Qatar and West Indian Journal of Engineering.

T. Jagai

- Chairman, Society of Petroleum Engineers (SPE), Trinidad & Tobago Section Awards Committee 2004-2005
- Member, Society of Petroleum Engineers International Cedric K. Ferguson Medal Committee 2004-2005.
- Member, WIJE International Panel of Reviewers.
- Membership Chairman, Society of Petroleum Engineers (SPE), Trinidad & Tobago Section 2004-2005

J. Marcelle de Silva

- Member, Petersville Road (Cunupia) Development Committee

W. Mellowes

- Director, UWI Credit Union Cooperative Society Limited
- External Examiner, Biochemistry, UWI Mona Campus
- Member, Advisory Committee UTECH Programme Chemical Engineering
- Member, APETT Council
- Member, Board of Engineering
- President, Caribbean Academy of Sciences (Organised Conference October 2004)

A.C. Pilgrim

- Chairman, Specification Committee of Standard for Diesel
- Chairman, Specification Committee of Standard for unleaded Gasoline
- Member, Faculty/University Committees
- President, Trinidad and Tobago Amateur Gymnastics Association

C. Riverol

- Member, Society of Industry and Applied Mathematic (SIAM)
- Member, Technical Committee of International Association of Science and Technology Development, Calgary, Canada 2003-2006.

B. Wilson

- Composed a duet for violin and viola, "Baroque-en in Little Pieces" for the San Fernando String Festival

Civil & Environmental Engineering

R. Charles

- Coordinator, Caribbean Postgraduate Award in Transportation offered by the International Road Federation (IRF).
- International Reviewer, United States Department of Agriculture Forest Service Low Volume Roads BMP Manual, USDAFS Manual-01.
- Technical Advisor, Coastal Roads to the Road Traffic and Safety Authority, Ministry of Works and Infrastructure, Government of Korea.
- University Representative, Technical Advisory Committee of the DMFC Desk, Caribbean Development Bank.

R. Clarke

- Advice to the Government of Dominica on Structural Worthiness of Damaged Structures after the November earthquake.
- Chairman, Trinidad and Tobago Bureau of Standards Clay Block Masonry Committee.
- Chairman, Trinidad and Tobago Bureau of Standards Slag Cement Committee.
- Member, Board of Engineering of Trinidad and Tobago, Small Buildings Code Committee.
- Member, Board of Engineering of Trinidad and Tobago, Structures Committee.

- Newspaper articles, “Lessons from Ivan”, Newsday, September 12, 2004 and “Housing Standards and the Consumer”, Newsday, January 18, 2004.
- R&D Consultant, BESTCRETE/ABEL Company Limited (via the Engineering Institute) with respect to the development of a new flooring system.
- Reviewer, the West Indian Journal of Engineering.
- Structural Forensic Report, “Damage to Building Structures after Dominica Earthquake”. Commissioned by CDERA and the Department of Civil and Environmental Engineering, November 2004.
- Structural Forensic Report, “Damage to Hotel Structures after Hurricane Ivan, Grenada”. Commissioned by Department of Civil and Environmental Engineering, September 2004.

V. Cooper

- Conducted a CDB-sponsored workshop on production of flood hazard maps for engineers and GIS experts from Grenada and St. Lucia.
- Member, Drainage Code Committee, Board of Engineering of Trinidad and Tobago.
- Member, Hillside Development Policy Committee, Town and Country Planning Division, Ministry of Planning.
- Presented at a workshop on use of a flood hazard-mapping manual for the Caribbean.
- Regional member, Caribbean Disaster Mitigation Project aimed at developing flood hazard maps for the Caribbean.

A. Sharma

- Associate Member, American Concrete Institute 544, “Fibre Reinforced Concrete”
- Associate Member, American Concrete Institute 546, “Repair of Concrete”
- Associate Member, Joint ACI/ASCE Committee 445, “Torsion”
- Editor, West Indian Journal of Engineering; published jointly by the Faculty of Engineering, The University of the West Indies, St. Augustine, Trinidad & Tobago (Abstracting & Indexing done EBSCO & HW Wilson)
- Member, American Concrete Institute Committee 549, “Ferrocement”
- Reviewer, Technical Review Committee of “American Concrete Institute Publications”, (ACI) Detroit, Michigan, U.S.A.

G. Shrivastava

- Reviewer, Journal of Water Management, The Institution of Civil Engineers, London, U.K.
- N. D. Lea / TRINTOPLAN, Extension of Solomon Hochoy Highway from Golconda to Point Fortin, Hydrologic Study, 2005.

Electrical & Computer Engineering

B. Copeland

- Chairman, Trinidad and Tobago Bureau of Standards Committee to review telecommunication equipment standards
- Director, Evolving TecKnologies and Enterprise Development Company (e TecK)
- Director, Valeo
- Member, Trinidad and Tobago Bureau of Standards Committee to revise standards for the steelpan musical instrument
- Member, Trinidad and Tobago Government-appointed Committee to report on intellectual issues for the steelpan musical instrument

A. Lutchman

- Chairman, IEEE Trinidad and Tobago Subsection

K. Mallalieu

- Director, Telecommunications Authority of Trinidad and Tobago
- Member, Caribbean Telecommunications/ ICT Partners Team
- Member, Editorial Advisory Board, The International Journal of Engineering Education
- Member, Editorial Review Board, MountainRise
- Member, Joint Committee on Telecommunications Liberalization

F. Muddeen

- Vice-President, Association of Professional Engineers of Trinidad and Tobago
- Judge, Prime Minister’s Awards for Innovation and Invention Competition

Mechanical & Manufacturing Engineering

B. Chowdary

- Senior Member – The Society of Manufacturing Engineers (SME), Michigan, USA.

E.I. Ekwue

- Reviewer to West Indian Journal of Engineering, Tropical Agriculture (Trinidad) and the Transactions of American Society of Agricultural Engineers.
- Secretary, Nigerian Community in Trinidad and Tobago.

W.G. Lewis

- Immediate Past President, Association of Professional Engineers of Trinidad and Tobago.
- Academic Advisor, ASME International Student Section of Trinidad and Tobago.
- Conference Coordinator, 18th Annual Technical Conference on Engineering Infrastructure, Planning and Development for Disaster Preparedness and Mitigation, Association of Professional Engineers of Trinidad and Tobago/The University of the West Indies, St. Augustine, Trinidad and Tobago.
- Member, ASMETT Industry Advisory Council.

- Member, Steering Committee to establish Health, Safety and Environment National Standards.
- Member, Master Craftsman's Examination Committee of Trinidad and Tobago.
- Chairman, Bureau of Standards of Trinidad and Tobago Committee on Office Furniture.
- Chairman, Bureau of Standards of Trinidad and Tobago Committee on Gas Cookers.
- Chairman, Bureau of Standards of Trinidad and Tobago Committee on Plastic Chairs.

K.F. Pun

- Chairman, The Engineering Management Society Chapter, the Institute of Electrical and Electronics Engineers (IEEE) Trinidad and Tobago Sub-Section, IEEE Puerto & Caribbean Section (Region 9).
- Chairman, the Mechanical Engineering Division, The Association of Professional Engineers of Trinidad and Tobago (APETT).
- External Examiner – Second/External Examiner, BTech Programme in Mechanical Engineering Technology and Electrical Engineering Technology, The University of the West Indies.
- Guest Editor, the Journal of APETT, Special Issue on "Asset Management and Maintenance Engineering"
- Member, Editorial Board of The West Indian Journal of Engineering and The Asian Journal on Quality.
- Member, Organizing Committee, APETT's 18th Annual Technical Conference on Engineering Infrastructure, Planning and Development for Disaster Preparedness, The Association of Professional Engineers of Trinidad and Tobago, Trinidad, April 13-15, 2005.

C. K. Sankat

- Chairman, Cabinet Appointed Committee on the Establishment of a Council for Science, Technology and Innovation.
- Chairman, Vision 2020 Sub-committee on Science and Technology, Government of Trinidad and Tobago.
- Member, Board of Directors – CARIRI.
- Member, Board of Directors – IOB.
- Member, Board of Directors – MIC.
- Member, Vision 2020 Committee, Government of Trinidad and Tobago.

Surveying & Land Information

R. Al-Tahir

- Technical Advisor, Workshop on Exploring Opportunities and Technology For Mapping Tobago, organized by Buccoo Reef Trust, Tobago House of Assembly, Lands and Surveys Division, and US Geological Survey (2004).
- Delegate, UNEP/GEF PDF B Inception Workshop for "Preventing Land Degradation in Small Island Ecosystems in the Caribbean through Sustainable Land Management", Kingston, Jamaica (16-17 December 2004).

S.M.J. Baban

- Academic Referee for scientific books and papers for a wide range of National, Regional and International Research Journals including Asian Journal of Geoinformatics; Geography Proceedings of The Geologists' Association; Hydrological Sciences Journal; International J. of Environmental Studies; International J. of Remote Sensing; International J. of ZANIN; International Journal of Geoinformatics; Journal of Environmental Informatics; Journal of Environmental Management; Journal of Hydrology; Oxford University Press; Sustainable Development; The West Indian J. of Engineering; and the University of Qatar Engineering Journal
- Advisor, the Jordanian Science Council, Jordan.
- Associate Editor, West Indian Journal of Engineering.
- Coordinator and Founder, the Centre for Caribbean Land and Environmental Appraisal Research (CLEAR).
- Coordinator of a funded HE link between CLEAR, UWI and the School of Environmental Sciences, University of East Anglia, UK.
- Expert, European Commission, Sixth Framework Programme, Brussels.
- Fellow of the Geological Society of London, UK (FRGS).
- Fellow of the Remote Sensing and Photogrammetry Society, UK (FRSPSoc).
- Fellow of the Royal Geographical Society, UK (FGS).
- Member and the National Representative of the International Association for Hydrological Sciences (IAHS).
- Member of the Editorial Board for the Asian Journal of Geoinformatics
- Member of the Editorial Board for the International Journal of Geoinformatics.
- Member of the Editorial Board for the International Journal of ZANIN.
- Member of the Planning and Organising Committee, Educating the public about Landslide Causes and Possible Hazards. A Workshop conducted in collaboration with the Cropper Foundation, Trinidad, 2004.
- Member of the Steering Committee for the regional Land Degradation in the Caribbean Initiative.
- Member, the Cabinet Appointed Committee for Hillside Development Policy in Trinidad and Tobago.
- Organiser and Facilitator, Enduring Geohazards (landslides and floods) in Caribbean Region. A workshop Organised by the Center for Caribbean Land and Environmental Appraisal Research (CLEAR), UWI, Learning Resource Center, St. Augustine, Trinidad. December 2004.
- Principal Investigator, the International Project on the Sustainability and Land Use in the Caribbean Region. Joint Research Project between CLEAR, UWI and the University of Florida, Gainesville, USA.
- Visiting Fellow, School of Environmental Sciences, University of East Anglia, UK.

C. Griffith-Charles,

- Advisor, the Land Survey Board of Trinidad and Tobago on amendments to Land Survey legislation
- Member, evaluation committee for international pre-qualification of consultants for Environmental and Socio-economic Impact Project under IDB Loan -appointed by authority of the Central Tenders Board. November to December 2004.
- National Delegate, the International Federation of Surveyors (FIG) Commission 7 (Cadastre and Land Management) and Commission 2 (Professional Education).
- Vice-President, the Institute of Surveyors of Trinidad and Tobago.

K. Miller

- Member, Technical Support to the Caribbean Adaptation to Climate Change (CPACC) now Mainstream Adaptation to Climate Change (MACC) programmes. Ongoing since 2001, completion 2008.
- Member, Technical Support to the Government of Trinidad and Tobago on Improvements to the Geodetic Infrastructure. Ongoing since August 2002, completion 2005.
- Member, Cabinet-appointed committee dealing with Land Registration in Trinidad and Tobago from 2003.
- Member, Steering Committee for an ongoing Parcel Index Mapping project for the Government of Trinidad and Tobago. 2003 to May 2005.

A. Mohammed

- Advisor, on Land Issues, Agricultural Society of Trinidad and Tobago.
- Member, Organizing Committee, APETT 18th Annual Technical Conference, Engineering Infrastructure, Planning and Development for Disaster Preparedness, UWI 7-8 March 2005.
- Member, Project Advisory Committee, Bon Air North Community Project, Cropper Foundation.
- Reviewer, Social and Economic Studies, SALISES Publications Jamaica.
- Secretary, Trinidad and Tobago Society of Planners.

B. Ramlal

- Collaborator, Buccoo Reef Trust.
- Convenor, Education Committee, Institute of Surveyors of Trinidad and Tobago.
- Public Relations Officer, Institute of Surveyors of Trinidad and Tobago.
- Volunteer GIS Advisor, Development of a Land Information System - Anglican Church.

FACULTY OF HUMANITIES & EDUCATION**Centre for Creative & Festival Arts****R. Gibbons**

- External Examiner, CXC Theatre Arts

D. Lyndersay

- Assistant Examiner, International Baccalaureate, Geneva -Theatre Arts
- Coordinator, Creative Writers Residential Workshop – UWI and Cropper Foundation
- CXC Member, Standing Committee, Theatre Arts Curriculum
- Director, Signal Hill Limited 2004-2007
- Director, The Cropper Foundation 2004-2007
- External Examiner, Teacher Training Colleges, Theatre Arts
- Member, PLAN (Netherlands) Task Force to Sri Lanka to access how interactive theatre arts could be used in rehabilitation, March 5-21, 2005.

S. Ouditt

- Consultant, Art and Design to Anthony C Lewis and Associates, Architects and Planners, Port of Spain. 2003 to present.
- Consultant, Art and Design to Basso Leonard Architects [BLAC] Port of Spain. 2003 to present.
- Creative Consultant, Anima Caribe – The Caribbean Festival of Animation. May to September 2005.
- Judge, National Gas Company School Art Competitions, 2005 May.

S. Sharma

- Board Member, Music Literacy Trust, conducted auditions to select scholarship recipients for 2005-2006 at CCFA, UWI.
- Convener, Student Assistance Fund Committee.
- Examiner, CXC Music Practical (June).
- Examiner, Graded Examinations in Solo Steelpan Performance, November
- Judge, National Gas Company School Art Competitions, 2005 May.

J. Tull

- Consultant, conducted a strategic assessment of music and entertainment industries of Trinidad and Tobago for Ministry of Trade and Industry, Government of Trinidad and Tobago
- Consultant, re-formulated the Bid proposal for CARIFESTA IX on behalf of the Ministry of Community Development, Culture, and Gender Affairs
- Member, Association of Caribbean Economists
- Strategic Adviser, Recording Industry Association of Trinidad and Tobago; KMP Music Group; Denise Belfon soca artist

Liberal Arts

F. Aiyejina

- Co-facilitator, The Cropper Foundation Caribbean Creative Writing Workshop, Tobago, July 17 – August 7, 2005.
- Coordinator, Earl Lovelace 70th Birthday Conference & Celebrations, July 2005.

J. Antoine

- Chairperson, Clarity Special Olympic Club.
- Organization of the team during the June Special Olympic Games in Ulster Ireland, 2005.

B. Carter

- Chief Examiner, 2005 Caribbean Secondary Education Certificate (CSEC) French, CXC, Barbados
- Panel Convenor, Modern Languages, Caribbean Advanced Proficiency Examination (CAPE), CXC, Barbados.

B. Lalla

- Campus Orator, St. Augustine Campus
- Co. Chair, Cultural Studies Initiative (responsibility for St. Augustine Campus)
- Member, Campus Committee for Graduate Studies
- Member, Research and Publications Committee
- Member, Senate Committee for Ordinances and Regulations
- Member, Teaching Service Commission, Trinidad and Tobago

P. Morgan

- Book Launch Healing Conversations by Madonna Sampson-Doyle. September 4, 2004.
- Chairperson, Campus Committee for Undergraduate Awards.

J. Rahim

- Book Launch address. “The Future Continuous or Glancing Back to Meet the Future: A Review of Funso Aiyejina’s I, The Supreme and Other Poems (2005). UWI, St Augustine, 27th April, 2005.
- An Analysis of Merle Hodge’s For the Life of Laetitia. Lecture Series “Literature and the Development of Trinidad and Tobago.” National Library of Trinidad and Tobago, Friday 27th August, 2004

G. Steele

- Executive Member, West Indies Group of University Teachers (WIGUT), St. Augustine.
- Judge, Elocution and Choral Speaking, Biennial Arts Festival, The Methodist Church, North Trinidad.
- Reviewer and Member of Conference Committee, International Association of Conflict Management, Seville, Spain
- Reviewer, Health Communication Division, National Communication Association, USA

FACULTY OF MEDICAL SCIENCES**N. Ovchinnikov**

- Assistant, Honorary Consul of the Russian Federation in Trinidad and Tobago.

E. M. Davis

- Honorary Consul, The Bahamas

D. Ramdath

- Chairman, The Essential National Health Research Council of Trinidad and Tobago
- Scientific Secretary, The Caribbean Health Research Council

G.N. Melville

- Director, North West Regional Health Authority

P. Pitt-Miller

- Deputy Chairman, The North Central Regional Health Authority.

S. Barclay

- May 2005: Assisted in the Orientation of the Filipino Nurses arriving in Trinidad and Tobago.

S. Teelucksingh

- Visiting External Examiner, Guy’s King’s and St. Thomas’ University in London.

N.S. Baboolal

- Ministry of Health Special Tribunal for Mental Health

B. Balkaran

- President, Trinidad and Tobago Medical Association

Z. Ali

- Chair, Subcommittee of Research and Surveillance, NACC
- Deputy Chair, Subcommittee on Treatment and Care, NACC
- National AIDS Coordinating Committee
- Subcommittee on Assessment and Measurement, NACC
- Subcommittee on Communications Strategy, NACC

C. Ezenwaka

- Member, Editorial Board, Archives of Physiology and Biochemistry

M. Monteil

- Member, Regional Scientific Committee for Latin America and the Caribbean, of the UNESCO Forum on Higher Education, Research and Knowledge
- National Laboratory Advisory Committee

T Alleyne

- Chair, Steering Committee and Chair of the Finance Committee of Faculty of Medical Sciences Conference of October 2004
- Chair, The Cricket Sub-Committee and Coordinator of the Local Organizing Committee for the Vice Chancellor's Cricket Week of April 2005
- Chair, The Faculty of Medical Sciences Cross Campus sub-committee for Examinations
- Deputy Chief Examiner, Human and Social Biology For CXC.
- Faculty representative at the executive meeting of Caribbean Association of Pharmacists-Guyana August 2005
- Member, Organizing committee for Faculty retreat on restructuring

Z. Ali

- AIDS Coordinating Committee, Office of the Prime Minister.
- Chair, Subcommittee on Research & Surveillance, National
- Coordinator, UWI HARP, St. Augustine Campus
- Director, UWI Telehealth Programme

M.I.A Omer

- Chairman, Ethics Committee, Faculty of Medical Sciences

B. Balkaran

- President, Trinidad & Tobago Medical Association 2004/2005.

**FACULTY OF
SCIENCE & AGRICULTURE**

Agricultural Economics & Extension

S. Barker

- Associate Member, the American Association of Rural Sociologists.
- Member, the Association for International Agricultural and Extension Education.

D. Dolly

- Central Statistical Office, Trinidad and Tobago, Gender Advisor, 2004 National Agricultural Census
- Leader/Member, Regional Chapter for the Association for International Agricultural and Extension Education
- Ministry of Community Development, Culture and Gender Affairs, Agriculture Sector Specialist, National Policy on Gender for Trinidad and Tobago.

I. Granderson

- Member, the Caribbean Agro-Economic Society
- Member, the Programme Advisory Committee for the Associate Degree in Applied Science in Food Science, COSAATT

- Member, American Dietetic Association
- Member, American Overseas Dietetic Association
- Member, Trinidad and Tobago Association of Nutritionists and Dietitians
- Member, Holy Saviour's Parish Outreach Programme

S. Hutchinson

- Country member – Global Environmental Change and Food Systems Scenarios Development
- Member, American Agricultural Economics Association
- Member, Caribbean Agro Economic Society
- Member, International Institute of Fisheries Economics and Trade

S. Nichols

- Honorary Member Tobago Hypertension Society
- Member of the Institute of Biologists (UK)
- Member of the North American Society for the Study of Obesity (NAASO USA)
- Member of the Nutrition Society (UK)
- Member of the Society for Epidemiological Research (USA)

C. A. Pemberton

- President, The Latin American and Caribbean Agricultural Economics Association

S. Ragbir

- Member, The Association for International Agricultural and Extension Education
- Secretary, Caribbean Agro Economic Society

J. Seepersad

- Member, The Association for International Agricultural and Extension Education and Reviewer for Annual Conference Papers.
- Member, Association of Professional Agricultural Scientists of Trinidad and Tobago

R. H. Singh

- Chairperson, Vision 2020 Sub-Committee on Agriculture
- Editor, Journal of Farm and Business, Caribbean Agro Economic Society
- Member, Board of Governors, COSTAATT
- Member, Management Committee: Project on Invasive Species in the Caribbean. (Collaboration with University of Florida (UF), UWI, CARDI, IICA, FAO, CARICOM)
- Member, Programme Advising Committee: Global Environmental Change and Food Systems Scenarios Development (GECAF)

K. Pierre

- Member, American Dietetics Association
- Member, Institute of Health Service Managers (UK)
- Member, Nutrition and Dietetics Board (Trinidad and Tobago)
- Member, Vision 2020 Sub-Committee on Health
- Secretary, Caribbean Association of Nutritionists and Dietitians

Chemistry**I. Chang Yen**

- Chairman, Trinidad and Tobago Bureau of Standards Committee on Labeling Standards for Household Cleaning Chemicals, August 2003 – October 2004;
- Judge, Prime Minister's Awards for Innovation and Invention, NIHERST, 2004.
- Reviewer, Technical Reports of the Institute of Marine Affairs, Chaguaramas (2002 – present);
- Reviewer, Tropical Agriculture (Trinidad);
- Technical Editor, Caribbean Marine Studies, Institute of Marine Affairs;

L. Grierson

- Chairman, Specifications Committee for Developing a Caribbean Community standard for QAC Based aromatic disinfectants.

L. Hall

- Member, Lead Phase Out Committee, Ministry of Public Utilities and the Environment.

A.R. Maxwell

- Moderator, CXC Chemistry.

D. Narinesingh

- Chairman, Advisory Committee, National Science Centre;
- Chief Examiner, Caribbean Examination Council;
- Dean, Faculty of Science and Agriculture;
- Member, Board of Directors, CARIRI;
- Member, Board of Governors, UTT.

R.I Ramsewak

- Chairman of Prizes Committee of the Faculty of Science and Agriculture.

Food Production**N. Badrie**

- Consultancy with CARDI/CARTF; Guest Lecturer on Principles of HACCP and Food Safety in the Food Service Industry for SOCS, Carapichaima Senior Secondary
- Consulted on the Curriculum on Technology Education for forms 4 and 5 Food Technology, Ministry of Education and Culture, Trinidad
- Judge, the Annual Flower Show, Horticultural Society of Trinidad and Tobago
- Reviewer, the Journal of Food Science, Institute of Food Technologists
- Presenter, workshop on "HACCP in the Meat Industry – Bringing rabbit meat from farm to the table" sponsored by IICA
- Reviewer and member, the Journal of Food Science and Agriculture, Society of Chemical Engineering
- Sub-editor, CAS Publication Committee of the Caribbean Academy of Science and Technology

L. Roberts-Nkrumah

- Member, the Citrus Task Force for Trinidad and Tobago.

R. Rastogi

- Member, World Rabbit Science Association
- Occasional Reviewer, World Rabbit Science, Livestock Production Science and Small Ruminant Research
- President, the Trinidad Rabbit Breeders Association

R. Stone

- Referee, Tropical Agriculture Journal.

Life Sciences**J. Agard**

- Chairman, Board of Directors, Environmental Management Authority of Trinidad and Tobago 2003-2005
- Chairman, Sub-Committee on Environment, Vision 2000: Formulation of a strategic Development Plan for Trinidad and Tobago, Ministry of Planning and Development, Government of Trinidad and Tobago 2003-05
- Co-Leader and Coordinating Lead Author, Global Outlook/Scenarios Chapter, UNEP Global Environment Outlook (GEO), Earthscan Publishers. 2005. Due 2007
- Expert Reviewer, Climate and Vulnerability of Islands. Inter-Governmental Panel on Climate Control (IPCC), 4th Assessment Report. 2005
- Lead Author, Global Scenarios, Millennium Ecosystem Assessment (MA). Island Press 2003-05
- Member, Editorial Advisory Board, the Journal of Experimental Marine Biology & Ecology (JEMBE), Elsevier Science B.V., Amsterdam, The Netherlands. 1997 – present.

- Member, Planning Committee, University of Trinidad and Tobago (UTT). 2004
- Member, UNDP Team of SIDS Vulnerability Experts for UN International Meeting on Small Island Developing States, Mauritius. January 2005
- Technical Editor, Caribbean Marine Studies Journal. Published by the Institute of Marine Affairs. 2005-present

M. Alkins-Koo

- Advisor, Committee on Caura River Basin Management, WASA (2004)
- Assessment of the Millennium Ecosystem Assessment (2003-2005)
- Co-chair, Conditions & Trends Working Group, People and the Northern Range. Sub-Global
- Collaboration with Lions Club of St Augustine in environmental activities;
- Founding member and coordinator, RIVERLINE, a group of UWI professionals (graduate students staff) with interests in rivers, wetlands, environmental issues and how they impact on the quality of life
- Member, Board of Management of the Asa Wright Nature Centre (1997-2004) and Chairman of Education & Research Sub-committee, member Land-use Planning Sub-committee.
- Reviewer, Living World, Journal of the Trinidad and Tobago Field Naturalists' Club

G. Barclay

- Secretary, Association of Professional Agricultural Scientists of Trinidad and Tobago

V. Bowrin

- External Examiner for the Biochemistry courses, University of Guyana Medical School
- Member, Caribbean Association of Scientists

B. Cockburn

- Member of the American Society for Biochemical and Molecular Biology/Federation of American Societies for Experimental Biology.

D. Chadee

- Appointed Regional Advisor by the Pan American Health Organization to assist Brazil, Costa Rica and the Dominican Republic with their Lymphatic Filariasis eradication programs
- Appointed to the CARICOM Task Force to write the Bachelor of Science Curriculum for the Environmental Health Degree (Barbados, October 2004)
- Fellow, the Entomological Society of London, UK
- Fellow, the Royal Society of Tropical Medicine and Hygiene
- Jointly hosted a Regional Dengue and Climate Change Workshop in the Department of Life Sciences, Faculty of Science and Agriculture, University of the West Indies, St. Augustine, Trinidad
- Life Member, the American Mosquito Control Association, USA.
- Member, the American Region Lymphatic Filariasis Program Review Group (2003-present)

- Member, the American Society of Tropical Medicine and Hygiene (1995-present)
- Member, the Laboratory Accreditation Committee, Trinidad and Tobago Bureau of Standards.
- Member, the Society of Vector Ecology
- Member, the Wellcome Trust Research Grant Review Panel, London, UK (from 2000 to present).
- Member, the WHO Expert Committee on the Global Programme to eliminate Lymphatic Filariasis (2002-present)
- Reviewer, Journal of the American Mosquito Control Association; American Journal of Tropical Medicine and Hygiene; Journal of Vector Ecology; Tropical Medicine and International Health; Journal of Infectious Diseases; Journal of Emerging Infections; Annals of Tropical Medicine and Parasitology; Journal of Medical Entomology; Acta Tropica; Memorias do Instituto Oswaldo Cruz; Environmental Entomology

E.J. Duncan

- Representative from Trinidad & Tobago on the Board of Governors of the International Centre for Genetic Engineering and Biotechnology (ICGEB), AREA

J. Gobin

- Environmental Commissioner (environmental science expert), First Environmental Commission (Environmental Court) of Trinidad and Tobago;
- Member, (Cabinet appointed) of the Lands Survey Board of Trinidad and Tobago 1998-2007;
- Member, Advisory Committee, Environmental Studies Dept., College of Science and Technology and Applied Arts of Trinidad and Tobago (COSTATT).
- Member Board of Management of the Asa Wright Nature Centre (2004-2007) and Member of Education & Research Sub-committee;

A. Hailey

- Managing Editor and Editor (Ag.), Applied Herpetology (Brill, The Netherlands).
- Member, Biodiversity Advisory Council of Trinidad and Tobago;
- Member, IUCN Species Survival Commission (Tortoise and Freshwater Turtle Specialist Group), coordinated at Gland, Switzerland;
- Project Assessor for the BP Conservation Programme, which is a partnership between Birdlife International, Fauna and Flora International, Conservation International, the Wildlife Conservation Society and BP. (Project on red howler monkeys in Chaguaramas.)
- Referee, Journal of Herpetology (USA); Journal of Zoology (London); Oecologia (Berlin); Living World (Trinidad); Oikos (Sweden)

A. Khan

- Member, PROCICARIBE Technical Advisory Board
- Member, the Caribbean Integrated Pest Management Network
- Member, the Royal Entomological Society
- Reviewer, Tropical Agriculture Journal

A. Lennon

- Member, the American Society of Plant Biologists
- Member, the Biochemical Society (U.K.)
- Member, the Society of Experimental Biology (U.K.)

A. Mohammed

- Member, the Society of Environmental Toxicology and Chemistry
- Reviewer, Marine Pollution Bulletin
- UNDP Ex-post Study: Logistical support for waste recycling project – Green Waste Recycling Organisation, Trinidad and Tobago.

M. Oatham

- Assisted Cropper Foundation in incorporating the plant content of their Northern Range Millennium Assessment.
- Member of the Cabinet-appointed Global Strategy for Plant Conservation Committee to advise on the Government;
- Member, British Ecological Society;

D. Phillip

- Technical Advisor, SAD (Toco) and Greenplains Foundation in interpreting the Certificate of Environmental Clearance (CEC) application forms and the local Environmental Impact Assessment (EIA) process
- Member, Steering Committee of BEAT (Blanchissuene Environmental Art Trust) for their proposed Sea Moss cultivation project, which received partial funding from CANARI
- Member, specialist group on Water and Health, International Water Association (IWA)
- Member, specialist groups on Social and Health Impact Assessment, the International Association of Impact Assessment (IAIA)
- Member, Network of Tropical Fisheries Scientists
- Member, the Centre for Caribbean Land and Environmental Appraisal Research (CLEAR), UWI, St Augustine
- Founding member and Co-ordinator, Marine and Coastal Research Group, Department of Life Sciences.
- Provided advice to UNESCO for the preparation of the International Report on Science, Technology and Gender (IRSTG) during a workshop held in Mexico City for that purpose

I.W. Ramnarine

- Member, the Fisheries Monitoring and Advisory Committee of the MALMR
- Member, American Tilapia Association
- Member, Aquaculture Association of Trinidad & Tobago
- Member, Fisheries Environmental Sub-committee of the MALMR
- Member, Fisheries Society of the British Isles
- Member, World Aquaculture Society
- Advisor, aquaculture development and fisheries management matters in Trinidad & Tobago

- Reviewer, Journal of Fish Biology, Aquaculture Journal and Tropical Agriculture.
- UWI Representative, on the Caroni Swamp Management Committee
- UWI Representative, the National Wetlands Committee

A. Ramsubbhag

- Consultant, CARIRI training programme on applied microbiology training programmes
- Consultant, Ministry of Tertiary Education Aquaculture Course, Caroni Research Station, Carapichaima.
- Manager, Semi-commercial microbiological testing services, Department of Life Sciences
- Member, Editorial Board, Journal of Tropical Agriculture

J. Rampersad

- Consulted on the set up of Diagnostic Services for the planned Oncology Unit to be located at the Eric Williams Medical Sciences Complex.
- Developed the Wellness Project to help improve the health and well-being of the community by disseminating information on, training, advising and performing molecular diagnostics for the Community
- Helped the Eric Williams Medical Sciences Complex Laboratory Services establish a DNA Unit and participated in training their personnel.
- Participated in training of personnel from the Trinidad Public Health Laboratory.

J. Rouse-Miller

- Facilitated school visits to the Plant Tissue Culture Lab.
- Member, British Bryological Society – 2004-present.
- Member, International Association for Plant Tissue Culture – 1990-2004

G. Sirju-Charran

- Coordinator, Pre-Health Biology Programme, Faculty of Medical Sciences.
- Delivered talks on “Careers in Science” to St. Augustine Girls’ High School and ASJA Girls’ High School.
- Executive Member. CARISCIENCE
- Reviewer: Journal of Tropical Agriculture

C. Starr

- Archivist for worldwide IUSSI and Interim President of the Bolivarian Section.

P. Umaharan

- Associate Member, Regional Hot pepper Association
- Co-Governor, International Center for Genetic Engineering and Biotechnology (Trieste, Italy)
- Member of the Ad Hoc Technical Expert Group on Risk Assessment (Montreal, CA)
- Member, Caribbean Plant Genetic Resources Network (CAPGNET)
- Member, CARICOM appointed Committee on Biotechnology –Coordinated by CARDI.

- Member, Consultative group for Agricultural Biotechnology –IICA
- Member, National Biosafety Committee
- Member, National Committee for the Protection of Plant Varieties (UPOV)
- Member, National Coordinating Committee for the Cartagena Biosafety Protocol
- Member, National Hot Pepper Association
- Member, National Procaribe Steering Committee
- Member, Regional Biotechnology Forum- coordinated by SRC, Jamaica.

Y. S. Baksh-Comeau

- Member, Advisory Committee to the Minister of Legal Affairs for the Protection of Plant Varieties and Species, as governed by the Union for Protection of Varieties (U.P.O.V.) Convention.
- Member, Caribbean Association of Researchers and Herbal Practitioners (CARAPA)
- Member, Global Strategy for Plant Conservation Committee, Ministry of the Public Utilities and the Environment
- Member, Herbal Sub-committee, Drug Advisory Committee of the Chemistry, Food and Drug Division, Ministry of Health. Appointed October 2002.
- Member, Wildlife Conservation Committee (WLCC) of the Wildlife Section of the Forestry Division in the Ministry of Public Utilities and the Environment

Mathematics & Computer Sciences

H. Ali

- Moderator, The Caribbean Advanced Proficiency Examination (CAPE) in Mathematics.

M. Bernard

- Member of the Financial Grants Committee for the project “Making Mathematics Easy”.

B. Bhatt

- Member, Editorial Board of *Matemáticas Enseñanza Universitaria*.
- Referee, *Canadian Journal of Physics* and *Journal of Engineering Mathematics*.
- Referee, *Indian Journal of Mathematics*;
- Reviewer, *Zentralblatt für Mathematik* (Germany);

E.J. Farrell

- Chairman, Examinations Committee, Trinidad and Tobago Mathematics Olympiad (TTMO).

M. Hosein

- Assistant Chief Examiner, The Caribbean Advanced Proficiency Examination (CAPE) in Computer Science.

N. Kalicharan

- Delegation Leader, Trinidad and Tobago Team to the International Olympiad in Informatics held in Athens, Greece in 2004.

P. Mohan

- Chief Examiner, Caribbean Advanced Proficiency Examination (CAPE) in Computer Science.

K. Rahaman

- Examination Moderator for The Caribbean Advanced Proficiency Examination (CAPE) in Applied Mathematics.
- Executive Committee Member (Treasurer) of the Caribbean Congress of Fluid Dynamics.

H. Ramkissoon

- Executive Member, Caribbean Scientific Meeting
- Executive Member, Inter American Network of Science Academic
- Executive Secretary, CARISCIENCE
- Member, UNESCO Board for the International Basic Sciences Programme
- President, Humboldt Association of Central America and the Caribbean
- Referee, *International Journal of Engineering Sciences*, *ZAMM*, *ZAMP* and *ACTA Mechanics*
- Reviewer, *Zentralblatt für Mathematik* (Germany)

A. Shirley

- Evaluator, SEMP National Curriculum in Mathematics, Ministry of Education.

S.A. Wahid

- Member, Examinations Committee, Trinidad and Tobago Mathematics Olympiad (TTMO);
- Reviewer, *Bulletin of the I.C.A.*, Canada.

C. Ward

- Member, International Programme Committee for IASTED.

Physics

S. Haque

- Book Reviewer, “The Observatory” (UK).
- Executive Director, CARINA (Caribbean Institute of Astronomy)
- Fellow, the Royal Astronomical Society (RAS)
- Member, American Astronomical Society (AAS)
- National Liaison, Caribbean group in International Astronomical Union

R. Saunders

- Chairman, Board of Governors, Institute of Marine Affairs
- Chairman, Subcommittee of Caribbean Meteorological Council
- Member, Board of Directors CARIRI
- Member, Board of Governors, NIHERST

Dave Hutton

- Analyzed soil and plant samples for noxious nematodes for several farmers, householders, institutions or agencies.
- Assisted in the School of Hope efforts to resuscitate soil conservation and agricultural endeavours.
- Collaborated with the Research and Development Dept., Ministry of Agriculture on various research initiatives.
- Collaborated with the Sugar Industry Research Institute (SIRI) to develop a “Plan of Work” which addressed plant nematode infestation of sugarcane fields.
- Developed a simple technique to disinfect yam heads of plants nematodes, by dipping in hot water.
- Made presentations to public and private sector interest groups on the benefits of soil solarization, particularly as alternative to methyl bromide.
- Member of the HEART Trust/National Training Agency Agriculture Industry Lead Group.
- Participated in several events staged by the National Food and Nutrition Co-ordinating Committee of Jamaica.
- Served as a member, the National Youth in Agriculture/ RADA Schools’ Agricultural Programme Committee.

FACULTY OF SOCIAL SCIENCES**S. Arjoon**

- Ad Hoc Referee, Journal of Management Studies, UK; Journal of Business Ethics, Netherlands; Social and Economic Studies, Jamaica; and, Journal of Eastern Caribbean Studies, Barbados.
- Vice President, Trinidad and Tobago Economics Association

R. Baptiste

Facilitator, Conference for the Public Service of Trinidad and Tobago entitled ‘Managing Change Towards Total Organizational Excellence,’ Trinidad Hilton, June 1-3, 2005.

I. Cambridge

- Member, Planning Committee for the Caribbean Symposium on Population Ageing.
- Invited to deliver the distinguished lecture for the Annual Celebrations of the City of San Fernando – 2004.
- Conference Chair, The National Seminar on Disability jointly hosted by the Leonard Cheshire Home and the Social Disability Class of the Social Work Unit

D. Chadee

- Member, Mediation Board of Trinidad and Tobago by His Excellency President George Maxwell Richards, T.C.

M. Franklin

- Provided technical support to Ministry of Science, Technology and Tertiary Education on the design of a Means Test for the continued implementation of GATE.
- Represented the Faculty of Social Sciences in the planning process for the launch of the 2005 Household Budgetary Survey being coordinated by the Ministry of Social Development.

H. Ghany

- Delivered the Eleventh Annual Sir Arthur Lewis Memorial Lecture, Castries, St. Lucia – 28th January, 2005.
- Member, Mediation Board of Trinidad and Tobago by His Excellency President George Maxwell Richards, T.C.
- Sunday Columnist, Sunday Guardian newspaper.

L. Henry

- Assistant Secretary, Trinidad and Tobago Economics Association

R. Hosein

- Member, Labour Market Council of Trinidad and Tobago.
- Member, Vision 2020 team in the field of Tertiary education.

A. Lewis

- Member, Board of Directors of the Trinidad and Tobago Hospitality and Tourism Institute, Tobago Campus.

R. McLean

- Member, Board of Directors of the Trinidad and Tobago Family Planning Association.
- Member, Regional Technical Advisory Group on Cervical Cancer.
- Represented the Health Economics Unit as part of the UWI drafting team for the submission of the Global Fund for HIV/AIDS TB and Malaria (GFAT) proposal on behalf of the Caribbean Regional Network for Peoples Living with HIV/AIDS (CRN+), which was approved by the Fund.
- Vice Chairman, Trinidad and Tobago Vision 20/20 sub-committee on HIV/AIDS.

D. Mahabir

- Analysis of Budget 2004/2005 – Power 102 FM, CCN TV6, TTT, Radio Shakti, Radio 106 FM.
- Lecture to University of the West Indies Hindu Society – Hinduism and Orthodox Economic Analysis – Conflict or Convergence.
- Lectures to St. Joseph’s Convent and Lakshmi Girls High School on the F.T.A.A.

D. Pantin

- Chairman of the Regulated Industries Commission of Trinidad and Tobago.
- Deputy Chairman, Constitution Reform Forum of Trinidad and Tobago.
- Deputy Chairman, Organisation of Caribbean Utility Regulators.

B. Ragoonath

- Board Member, Commonwealth Local Government Forum

M. Sogren

- Cabinet-appointed member: Committee to Examine the Status of the Institution of the Family

E. Simms

- Member, Academic Committee, Trinidad and Tobago Hospitality and Tourism Institute.
- Member, Board of Directors, Trinidad and Tobago Hospitality and Tourism Institute
- Member, Board of Directors, UWI Press.

K. Theodore

- Board Member, National AIDS Coordinating Committee (NACC) - Policy monitoring and development in respect of National HIV/AIDS Strategic Plan.
- Commissioner, the Caribbean Commission on Health and Development (CCHD).
- Member, Multisectoral Taskforce for Vision 2020 Ministry of Planning and Development

**INSTRUCTIONAL
DEVELOPMENT UNIT**

A.M. Edwards-Henry

- Chair, Radiological Sciences Advisory Committee, COSTAATT
- Chief Examiner, Caribbean Examinations Council (CXC), Biology
- Member, Belmont Junior Secondary Local School Board

**MARKETING
& COMMUNICATIONS OFFICE**

D.M. De Four-Gill

- Executive Member, Association of Caribbean Higher Education Administrators (ACHEA)
- Member of the Steering Committee of the Association of Commonwealth Universities (ACU) Public Relations, Marketing & Communications Network
- Member, Core Planning Committee, UWI/Guardian Life Premium Teaching Awards
- Member, Organizing Committee, UWI-SPEC International Half-Marathon
- Member, Planning Committee of Vice Chancellor's Cricket Match & Week at the St. Augustine Campus
- Member, Public Relations Association of Trinidad and Tobago (PRATT)
- Member, Research & Advocacy Group of the Association of Female Executives of Trinidad & Tobago

A. Walcott-Hardy

- Advisor, The Trinidad Theatre Workshop
- Contributing Writer, The T&T Review
- Member, Core Organizing Committee for The Royal Opera Chamber Ensemble Visit/Performance, Trinidad & Tobago
- Member, Core Planning Committee, UWI/Guardian Life Premium Teaching Awards
- Member, Organizing Committee for the International Association for Caribbean Archaeology (IACA) at the St Augustine Campus
- Member, Organizing Committee, UWI-SPEC International Half-Marathon
- Member, Planning Committee of Vice Chancellor's Cricket Match & Week at the St. Augustine Campus
- Member, Public Relations Association of Trinidad and Tobago (PRATT)
- Member, The Patrons of Queen's Hall
- Member, UWI Distinguished Open & Professorial Lectures Committee
- Member, Women In Art Association

R.V. Jaipaul

- Contributing Writer, St. Augustine Newsletter (STAN)
- Member, Association of Caribbean Higher Education Administrators (ACHEA)
- Member, Association of Commonwealth Universities (ACU) Public Relations, Marketing & Communications Network
- Member, Public Relations Association of Trinidad and Tobago (PRATT)

OFFICE OF PLANNING & DEVELOPMENT

C. Greaves

- Chairman, Audit Committee of the Central Bank of Trinidad and Tobago
- Member, Board of Directors, Central Bank of Trinidad and Tobago

OFFICE OF THE CAMPUS PRINCIPAL

I. Bachan-Persad

- Coordinator, Annual Christmas Party for Underprivileged children
- Liaison with Children's Homes for delivery of Medical and Dental services to children on an annual basis

SEISMIC RESEARCH UNIT

N. Fournier

- Member, American Geophysical Union
- Member, International Association of Volcanology and Chemistry of the Earth's Interior

E.P. Joseph

- Member, American Geophysical Union
- Member, International Association of Volcanology and Chemistry of the Earth's Interior
- Member, International Volcanic Health Hazard Network

J.L. Latchman

- Member, Geological Society of Trinidad and Tobago
- Member, Seismological Society of America

L. Lynch

- Member, APETT sub-committee for seismic provision for the Building Code
- Member, Intergovernmental Oceanic Commission Tsunami Group of Experts
- Member, The University School Council

R.E. Mohais

- Member, American Geophysical Union
- Member, American Mathematical Society

R.E.A. Robertson

- Chairperson, Local and Scientific Organising Committee for the Soufrière Hills Volcano – Ten Years On... Scientific Conference
- Member, American Geophysical Union
- Member, Geological Society of London
- Member, Geological Society of Trinidad and Tobago
- Member, Governing Board of the Montserrat Volcano Observatory
- Member, International Association of Volcanology and Chemistry of the Earth's Interior
- Member, Technical Advisory Team on Disaster Management in Trinidad and Tobago
- Member, The Montserrat Scientific Advisory Committee

SIR ARTHUR LEWIS INSTITUTE OF SOCIAL & ECONOMIC STUDIES

R. Mc Cree

- Technical Inputs in Socio-economic Impact of Highway Expansion in Trinidad
- Technical Inputs in Study of Socio-economic Conditions in Southern Rural Trinidad

G. St. Bernard

- Member, Population Council, Trinidad and Tobago
- Member, Technical Advisory Committee overseeing the implementation of the Survey of Living Conditions, Trinidad and Tobago

SPORT & PHYSICAL EDUCATION CENTRE

I. Gloudon

- Chairperson, International Alliance for Human Advancement
- Lectured at schools, organizations, national sporting bodies in the area of Sport & Physical Education

Principal Officers of The University of the West Indies

Chancellor

The Hon. Sir George Alleyne
MBBS, UCWI, FRCP, FACP, DSc

Vice-Chancellor

The Hon. E. Nigel Harris
BA Howard, MPhil Yale, MD UPenn, DM UWI

Chairmen, Campus Councils

Sir Neville Nicholls – Cave Hill
KA, BA Cantab, LLB Lond, Dip in Diplomacy Col,
Hon. LLD UWI

The Hon. Don Brice – Mona
OJ CD, BA Lond-UCWI

Mr. Michael Mansoor – St. Augustine
CA, MBA W. Ont

Campus Principals
& Pro-Vice Chancellors

Prof. Hilary McDonald Beckles – Cave Hill
BA, PhD Hull

Prof. Elsa Leo-Rhynie – Mona
BSc, Dip Ed, PhD UWI

Dr. Bhoendradatt Tewarie – St. Augustine
BA Northwestern, MA Chicago, PhD Penn State

Pro-Vice Chancellors

Prof. Lawrence Carrington
BA Lond-UCWI, PhD UWI

Prof. Marlene Hamilton
BSc, MA Ed, PhD, Dip Ed, HDip Ed UWI

Prof. Wayne Hunte
BSc UWI, PhD UWI, Post Doctoral Fellow
Dalhousie, Canada

Prof. Errol Y. St. A. Morrison
MD Malta, MSc Lond, PhD UWI, FRCPGLas,
FACP

Deputy Campus Principals

Prof. Christine Barrow – Cave Hill
BA, DPhil, PGCE Sus

Mr. Joseph Pereira – Mona
BA, Dip Ed UWI, MA Qu

Prof. Gurmohan Kochhar – St. Augustine
BE Baroda, MS Wis, PhD UWI, MASHRAE, FAPE,
MASME

University Registrar

Mrs. Gloria Barrett-Sobers
BA Lond-UCWI, MA Ed Columbia, MBA Miami

University Bursar

Mr. Winston H. Bayley
BSc Lond-UCWI, FCCA

University Librarian

Dr. Margaret Rouse-Jones
BA UWI, MA Johns Hopkins, PhD Johns Hopkins,
Dip Library & Information Studies Lond

Principal Officers of The St. Augustine Campus

Campus Principal

Dr. Bhoendradatt Tewarie

BA Northwestern, MA Chicago, PhD Penn State

Deputy Campus Principal

Prof. Gurmohan Kochhar

BE Baroda, MS Wis, PhD UWI,
MASHRAE, FAPE, MASME

Campus Registrar

Mr. Jeremy Callaghan

BA York, MA Reading

Campus Bursar

Mrs. Lylla Bada

BA (Economics & Accounting) Bristol,
FCCA, CA (T&T)

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BA UWI, MA Johns Hopkins, PhD Johns Hopkins,
Dip Library & Information Studies Lond

