

VUT

FACTBOOK

VOL 2.2: October 2009



Vaal University of Technology

Contents

INTRODUCTION	2
SECTION A.....	2
1. INSTITUTIONAL SUMMARY FOR 2008.....	2
2. STUDENT PROFILE.....	3
2.1 CONSOLIDATED STUDENT HEADCOUNT ACROSS FACULTIES:.....	3
2.2 VUT STUDENT PROFILE PER FACULTY	3
2.3 STUDENT HEADCOUNTS AT DIFFERENT SITES OF DELIVERY:.....	4
2.4 CONSOLIDATED GENDER DISTRIBUTION OF HEADCOUNT STUDENT ACROSS FACULTIES ..	5
2.5 CONSOLIDATED RACE CLASSIFICATION.....	6
2.6 VANDERBIJLPARK RESIDENTIAL PROFILE	7
2.7 NATIONAL STUDENT FINANCIAL AID SCHEME (NSFAS)	8
2.7.1 CONSOLIDATED STUDENTS GRANTED NSFAS PER FACULTY.	8
2.7.2 NSFAS FUNDING	9
2.8 LANGUAGE.....	10
3. ACADEMIC PERFORMANCE INDICATORS	11
3.1 SUCCESS RATE	11
3.1.1 CONSOLIDATED SUCCESS RATE PER FACULTY FOR JUNE AND NOVEMBER 2008	11
3.1.2 CONSOLIDATED SUCCESS RATE PER FACULTY FOR JUNE 2008 AND 2009*	11
3.2 CONSOLIDATED SUCCESS RATE FOR PER DEPARTMENT JUNE 2008 AND	12
3.3 SUCCESS RATE AT THE VARIOUS SITES OF DELIVERY.....	13
4. GRADUATES.....	14
4.1 CONSOLIDATED VUT GRADUATES (2006-2008).....	14
4.2 CONSOLIDATED GRADUATES DISTRIBUTION ACROSS THE FACULTIES (2008).....	14
4.3 GENDER DISTRIBUTION OF GRADUATES.	15
4.4 GENDER DISTRIBUTION OF GRADUATES PER FACULTY.	15
4.5 CONSOLIDATION OF GRADUATION RATE FOR 2008 PER CAMPUS PER FACULTY	16
4.6 GRADUATION RATE FOR 2008 PER CAMPUS.....	17
SECTION B.....	18
1. INTERNATIONAL STUDENT SUMMARY FOR 2008.....	18
2. INTERNATIONAL STUDENT PROFILE	18
2.1 DISTRIBUTION OF STUDENT HEADCOUNT ACROSS FACULTIES:.....	18
2.2 DISTRIBUTION OF STUDENT HEADCOUNT PER COUNTRY	19
2.3 INTERNATIONAL STUDENT HEADCOUNTS AT PER CAMPUS: (2008)	19
2.4 GENDER DISTRIBUTION OF INTERNATIONAL STUDENT HEADCOUNT ACROSS FACULTIES	20
GENDER DISTRIBUTION OF STUDENTS ACROSS FACULTIES 2008	20
2.5 RESIDENTIAL PROFILE OF INTERNATIONAL STUDENTS.....	21
2.6 LANGUAGE.....	21
SECTION C.....	22
5. STAFF PROFILE	22
5.1 HEAD COUNT TOTAL OF PERMANENTLY APPOINTED STAFF CATEGORY	22
5.2 FULL-TIME EQUIVALENT STAFF BY CATEGORY.....	22
5.3 EQUITY	23
5.4 GENDER PROFILE OF PERMANENT STAFF.....	23
5.5 HIGHEST FORMAL QUALIFICATION OF PERMANENT APPOINTED INSTRUCTION/RESEARCH	
STAFF	24

INTRODUCTION

The Institutional Planning Unit is pleased to provide you with the latest Vaal University of Technology Fact Book. The information herein is the audited data of 2008 and the current available data of 2009.

We hope that the Fact Book provides a wide variety of readers with useful and easy to understand information.

Amid the growth in number of electronic management information system and sophistication of management information in South Africa, there still appears to be a need for a quick reference to facts, figures and indicators for users from within and outside the Vaal University of Technology.

The summary below is based on the audited data of the 2008 academic year, unless specified otherwise.

SECTION A

1. INSTITUTIONAL SUMMARY FOR 2008

INDICATOR	VALUE
Headcount ¹	17 313
Number of full time staff	1168
Graduation rate	17.20%
Number of accredited Diploma programmes	40
Number of accredited B-Tech programmes	36
Number of approved M-Tech programmes	26
Number of approved D-Tech programmes	9
Number of graduates	2977

1. Includes HEMIS: 16 947

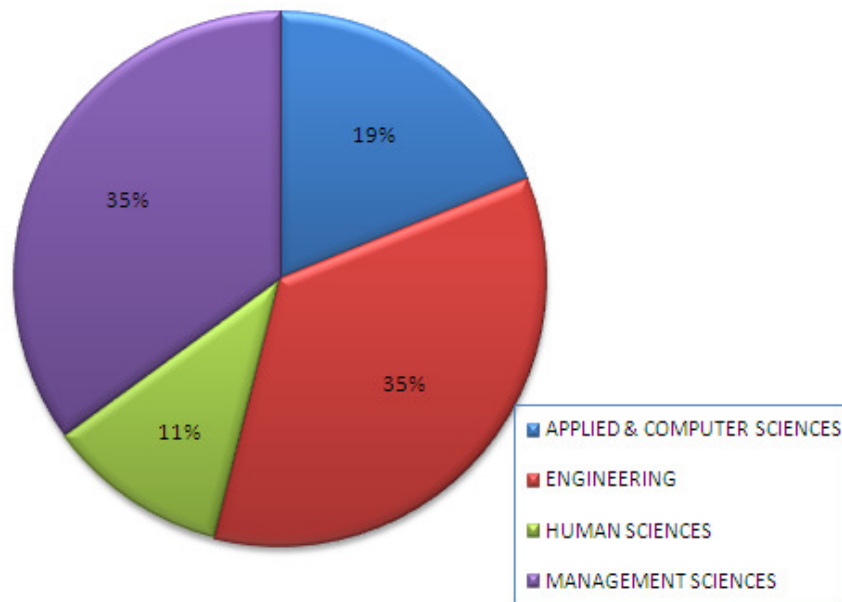
2. STUDENT PROFILE

2.1 CONSOLIDATED STUDENT HEADCOUNT ACROSS FACULTIES:

Faculty	2007	2008	2009*
APPLIED & COMPUTER SCIENCES	3176	3355	3727
ENGINEERING	5604	5993	6913
HUMAN SCIENCES	1672	1855	2180
MANAGEMENT SCIENCES	6035	6110	6895
Grand Total	16487	17313	19715

2.2 VUT STUDENT PROFILE PER FACULTY

Below is the percentage distribution of our 2008 student headcount amongst the four faculties.



1.* - Unaudited data.

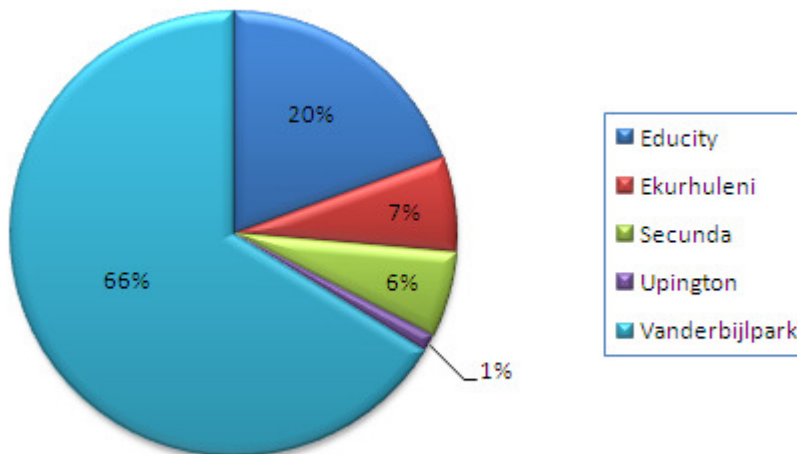
2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject.

3. Consolidated – Includes site of delivery.

2.3 STUDENT HEADCOUNTS AT DIFFERENT SITES OF DELIVERY:

Campus	2007	2008	2009*
Educity	2998	3365	4237
Ekurhuleni	1150	1197	1486
North West	312**		
Secunda	1032	1068	1367
Uppington	224	218	285
Vanderbijlpark	10771	11465	12340
Grand Total	16487	17313	19715

STUDENT HEADCOUNT PER CAMPUS 2008



1. * - Unaudited data.

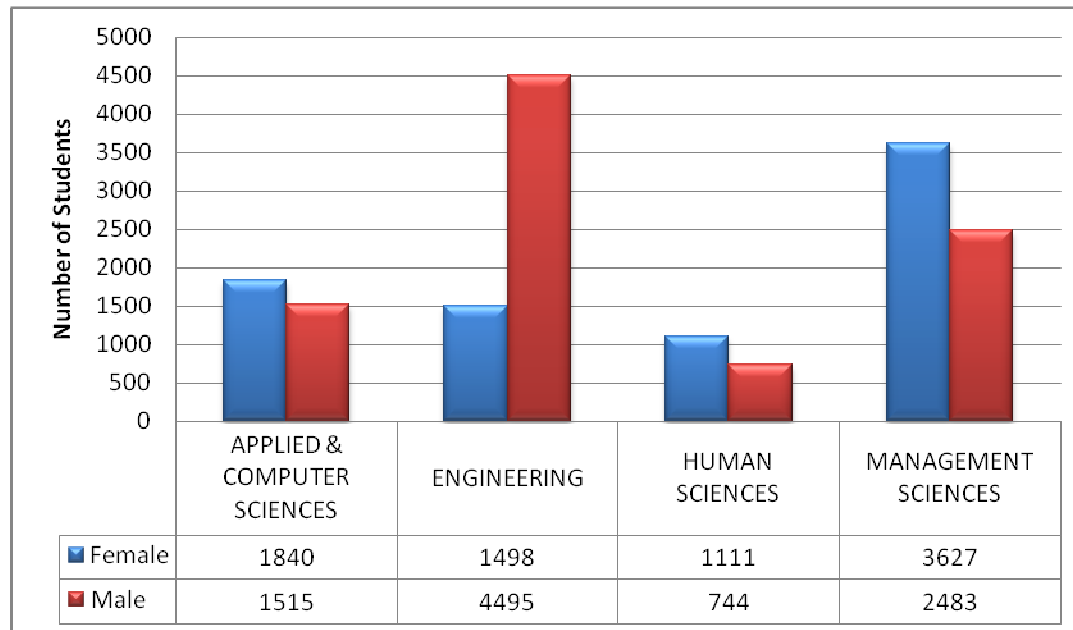
2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject.

3. ** - Pipeline students, due to phase out of campus.

2.4 CONSOLIDATED GENDER DISTRIBUTION OF HEADCOUNT STUDENT ACROSS FACULTIES (2007 – 2009*)

Faculty	2007		2008		2009*	
	Female	Male	Female	Male	Female	Male
APPLIED & COMPUTER SCIENCES	1828	1348	1840	1515	2022	1705
ENGINEERING	1435	4169	1498	4495	1758	5156
HUMAN SCIENCES	998	674	1111	744	1299	881
MANAGEMENT SCIENCES	3638	2397	3627	2483	4113	2781
Grand Total	7899	8588	8076	9237	9192	10523

GENDER DISTRIBUTION OF STUDENTS ACROSS FACULTIES 2008



1. * - Unaudited data.

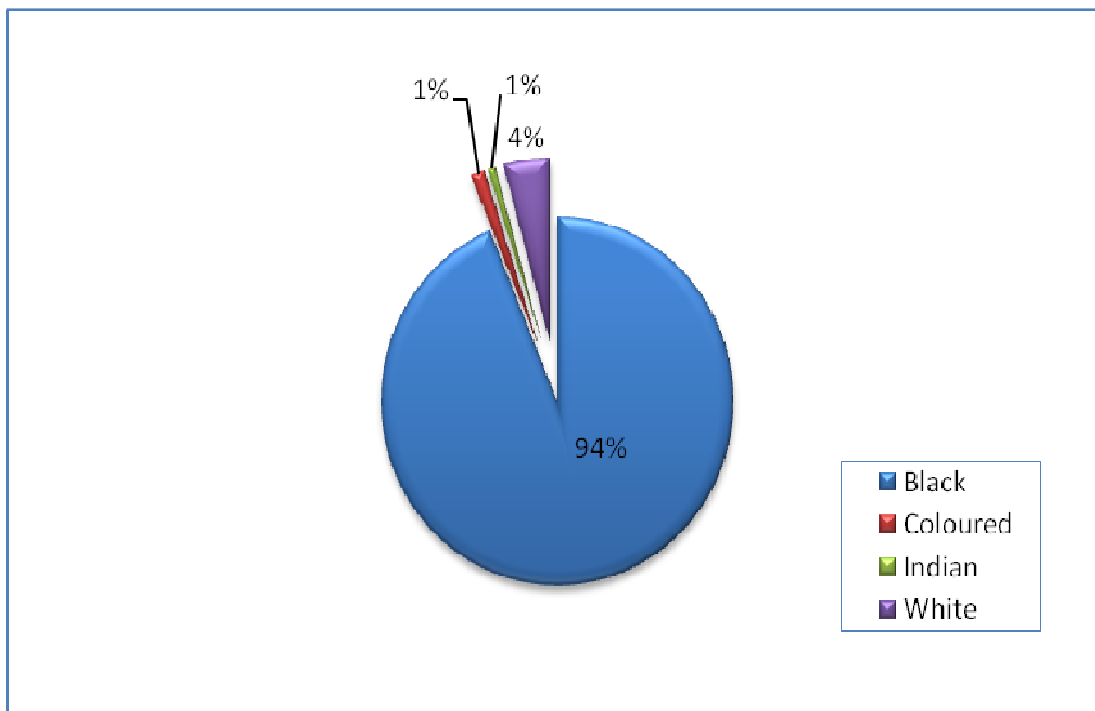
2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject.

3. Consolidated – Includes site of delivery.

2.5 CONSOLIDATED RACE CLASSIFICATION

Faculty	2008				2009*			
	Black	Coloured	Indian	White	Black	Coloured	Indian	White
APPLIED & COMPUTER SCIENCES	3287	19	5	44	3664	21	2	40
ENGINEERING	5469	29	73	422	6335	38	87	454
HUMAN SCIENCES	1621	40	23	171	1943	42	24	171
MANAGEMENT SCIENCES	5855	140	20	95	6600	198	10	86
Grand Total	16232	228	121	732	18542	299	123	751

RACE CLASSIFICATION (2008)



1.* - Unaudited data.

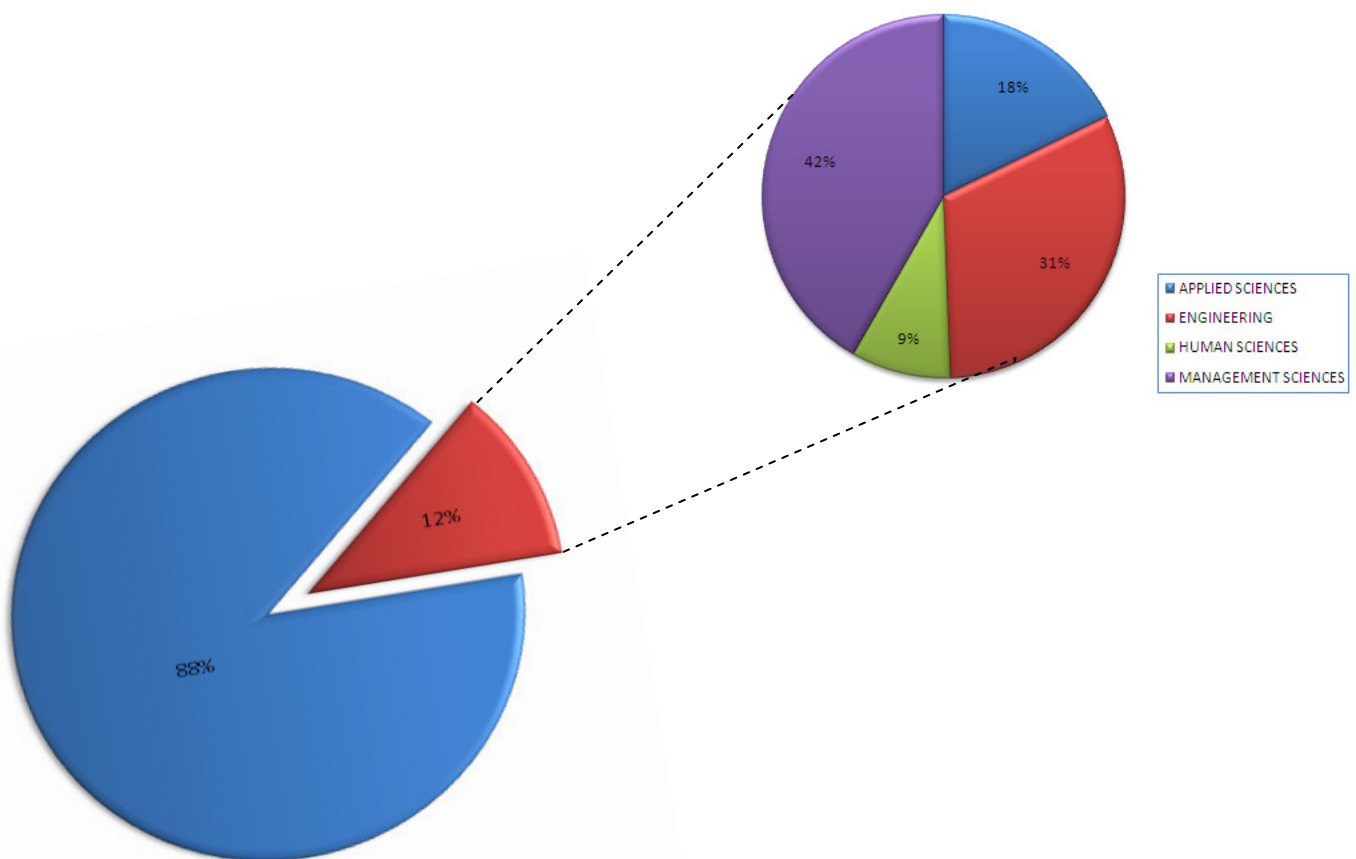
2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject

3. Consolidated – Includes site of delivery.

2.6 VANDERBIJLPARK RESIDENTIAL PROFILE

The graph below indicates that only 12% of all students live in the residences. The smaller Pie chart indicates the faculty in which the student is enrolled. The majority of students living in the residences are enrolled in the Faculty of Management Sciences.

Faculty	2007	2008	2009*
APPLIED & COMPUTER SCIENCES	421	419	454
ENGINEERING	627	745	849
HUMAN SCIENCES	210	210	233
MANAGEMENT SCIENCES	848	983	1180
Grand Total	2106	2357	2716



1.* - Unaudited data.

2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject.

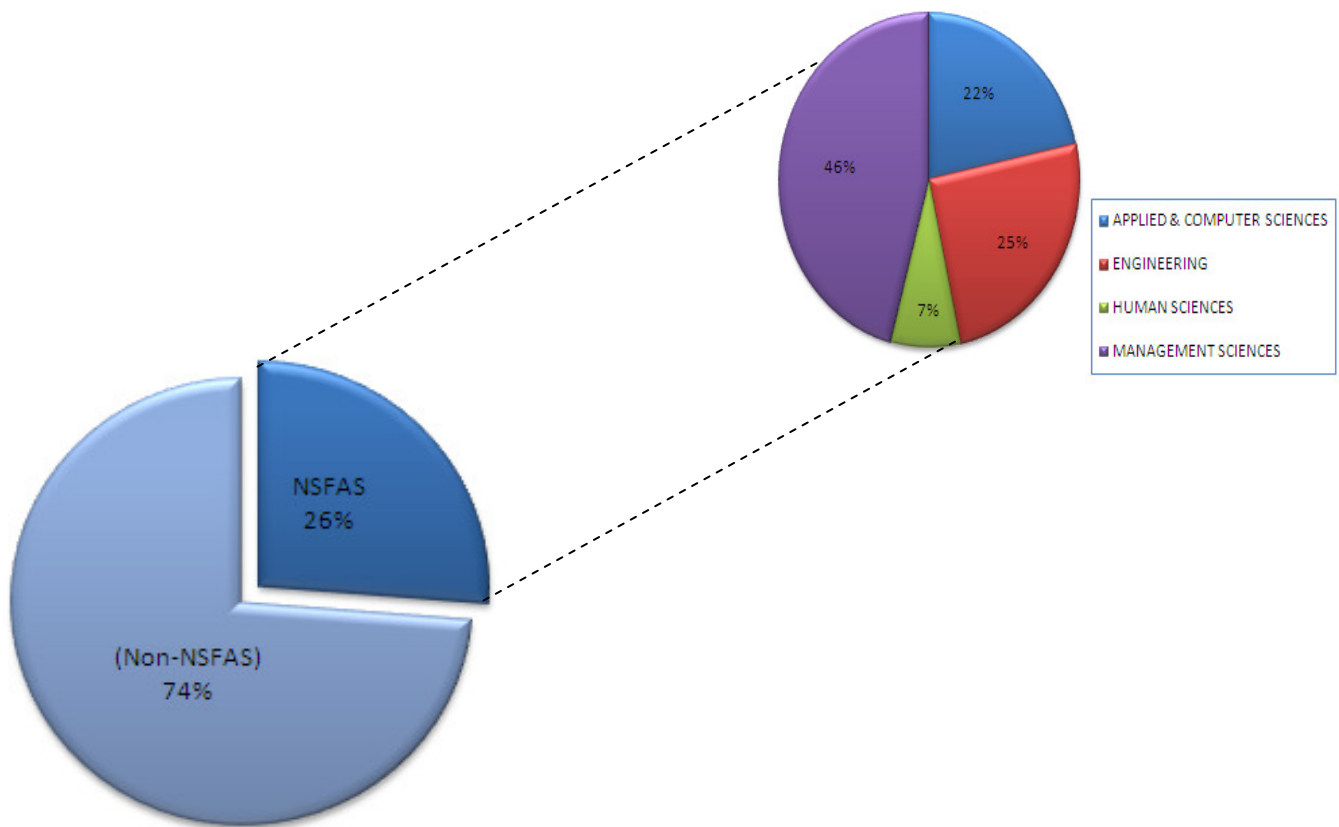
2.7 NATIONAL STUDENT FINANCIAL AID SCHEME (NSFAS)

2.7.1 CONSOLIDATED STUDENTS GRANTED NSFAS PER FACULTY.

The table below reflects the number of students per faculty who were granted NSFAS funding.

Faculty	2007	2008	2009*
APPLIED & COMPUTER SCIENCES	1024	981	587
ENGINEERING	1196	1137	727
HUMAN SCIENCES	386	340	262
MANAGEMENT SCIENCES	2108	2083	1851
Grand Total	4714	4541	3427

The graph below indicates that only 26% of all students receive NSFAS assistance. The smaller pie chart indicates the faculty in which the student is enrolled for in 2008.



1. * - Unaudited data.

2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject.

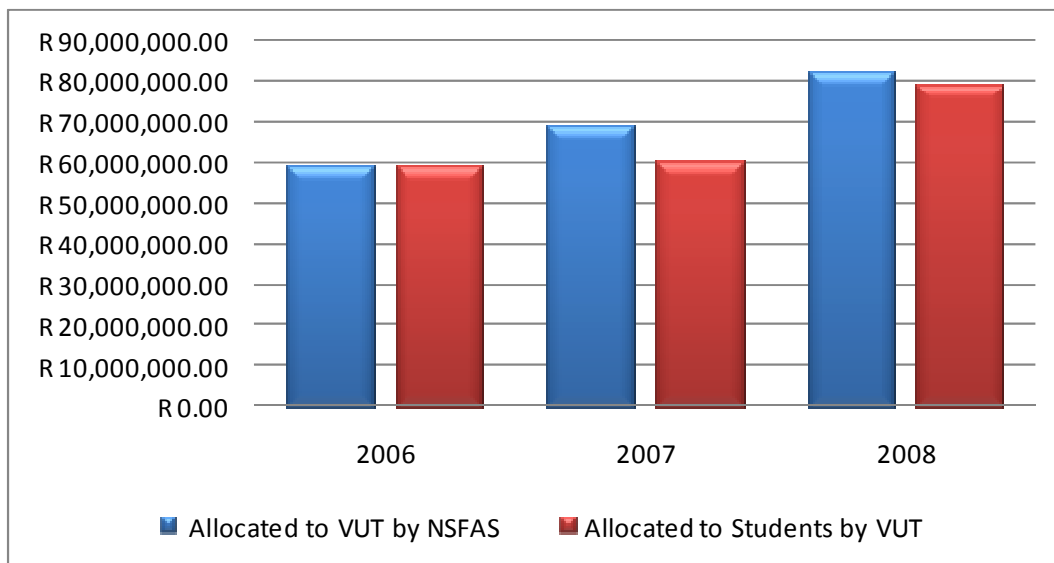
3. Consolidated – Includes site of delivery.

2.7.2 NSFAS FUNDING

The table below indicates the funding awarded to VUT by NSFAS and how it was allocated to students per year:

Amount allocated to:	2006	2007	2008
VUT by NSFAS	R 59, 045, 898.00	R 69, 079, 855.00	R 82, 711,374.00
Students by VUT	R 59, 045.898.00	R 60, 190, 658.00	R 79, 425, 374.00

The graph below indicates that there has been an increase in the amount of money that is being allocated to students over the past three years, though there has been a decrease in number of students using NSFAS.

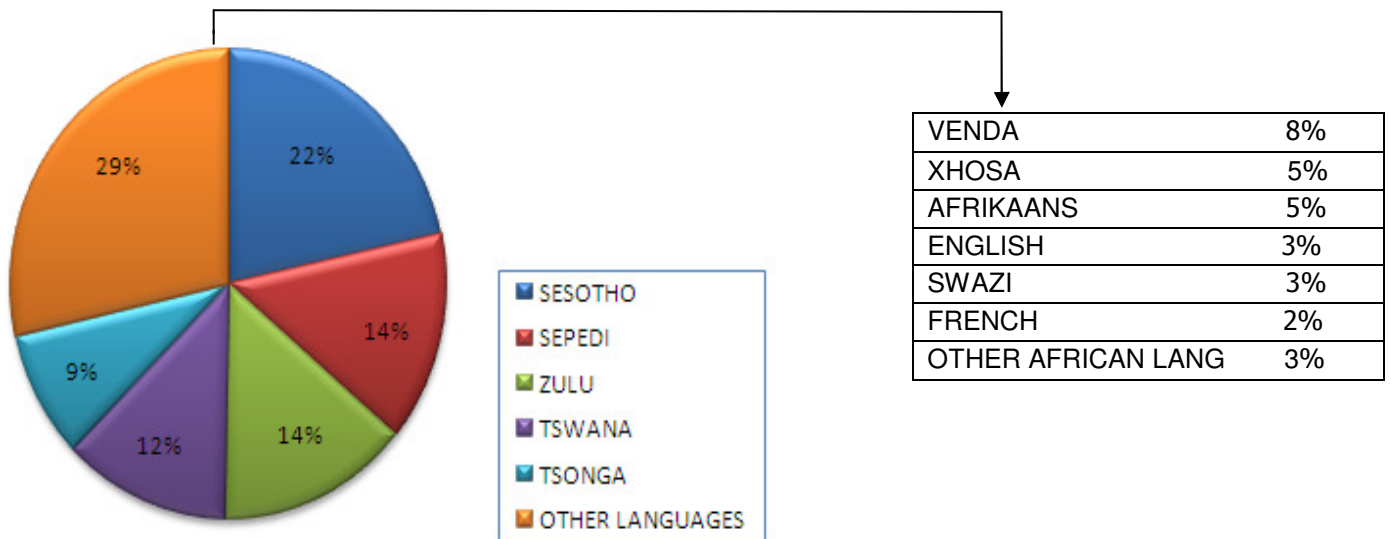


1. The above figures where provided by VUT NSFAS office.

2.8 LANGUAGE

Only 3% of students are English first language speakers, confirming the important role of the English development laboratories instructed by VUT in the past three years.

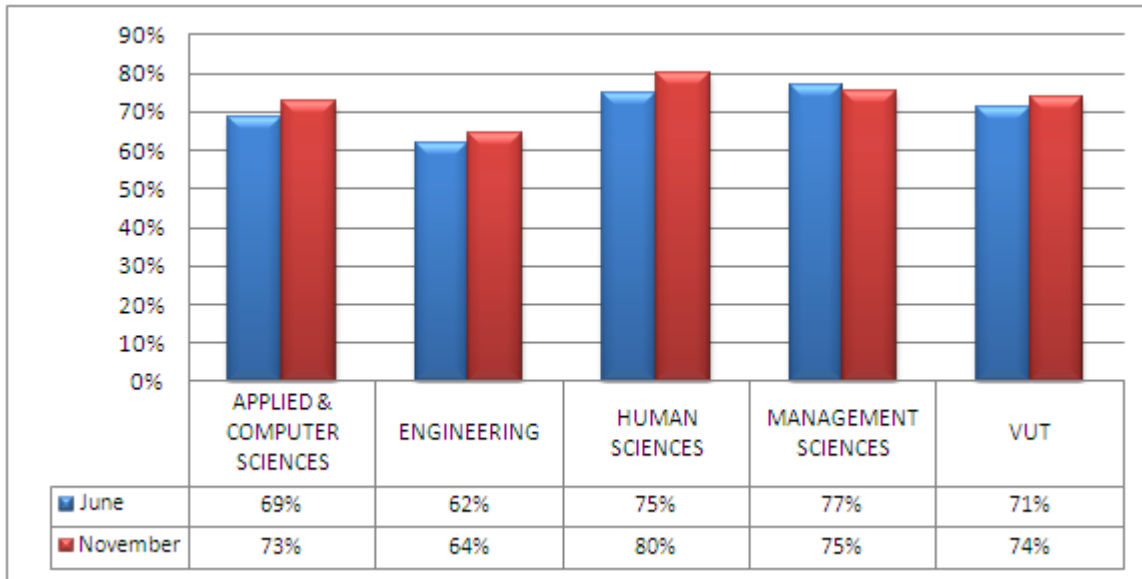
Se-Sotho is the mother tongue of 22% of students at VUT. Sepedi (14%) and Zulu (14%) are the next highest percentage. The Pie chart only reflects languages spoken by 9 % or more of the student population.



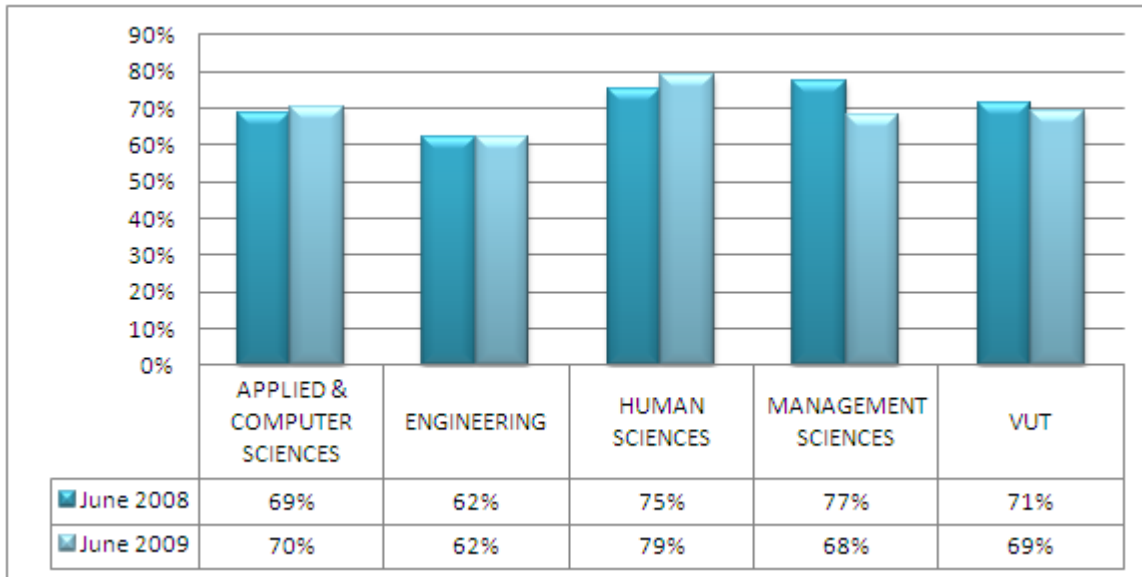
3. ACADEMIC PERFORMANCE INDICATORS

3.1 SUCCESS RATE

3.1.1 CONSOLIDATED SUCCESS RATE PER FACULTY FOR JUNE AND NOVEMBER 2008 EXAMS



3.1.2 CONSOLIDATED SUCCESS RATE PER FACULTY FOR JUNE 2008 AND 2009*



1.* - Data could change.

2. Success rate: Number of students that passed expressed as a percentage of the total number of students enrolled minus total number of students that cancelled for the module.

3. Consolidated – Includes site of delivery.

3.2 CONSOLIDATED SUCCESS RATE FOR PER DEPARTMENT JUNE 2008 AND NOVEMBER 2008 EXAMS

Faculty	Department	June	November
APPLIED & COMPUTER SCIENCES		69%	73%
	CHEMISTRY	70%	75%
	HEALTH SCIENCES	79%	81%
	INF & COMM TECH, OFF MAN TECH	79%	81%
	MATHEMATICS	51%	52%
	PHYSICS & NON-DESTRUCT TESTING	48%	63%
	SOFTWARE STUDIES	70%	77%
ENGINEERING		62%	64%
	CHEMICAL ENGINEERING	54%	53%
	CIVIL ENGINEERING	65%	68%
	ELECTRONIC ENGINEERING	77%	76%
	INDUSTRIAL ENG. & OPS. MANAG.	74%	78%
	MECHANICAL ENGINEERING	54%	60%
	METALLURGICAL ENGINEERING	63%	73%
	POWER ENGINEERING	44%	48%
	PROCESS CONTROL & COMP SYSTEMS	66%	69%
HUMAN SCIENCES		75%	80%
	COMMUNICATION AND EDUCATION	72%	80%
	HOSPITALITY & TOURISM	84%	82%
	VISUAL ARTS & DESIGN	84%	76%
MANAGEMENT SCIENCES		77%	75%
	ACCOUNTANCY	73%	66%
	HR MANAGEMENT	80%	77%
	LOGISTICS	80%	85%
	MARKETING & SPORT MANAGEMENT	81%	84%
	OFFICE & SPORT MANAGEMENT	61%	86%
Institutional Average		71%	74%

1. *Success rate: Number of students that passed expressed as a percentage of the total number of students enrolled minus total number of students that cancelled for the module.*
2. *Consolidated – Includes site of delivery.*

3.3 SUCCESS RATE AT THE VARIOUS SITES OF DELIVERY

Faculty	Campus	2007		2008		2009*	
		Pass rate	Success rate	Pass rate	Success rate	Pass rate	Success rate
APPLIED & COMPUTER SCIENCES		82%	71%	78%	70%	80%	70%
	Educity	82%	68%	72%	70%	85%	83%
	Ekurhuleni	84%	77%	80%	75%	80%	73%
	North West	78%	71%				
	Secunda	79%	65%	72%	60%	64%	43%
	Upington	85%	70%	66%	62%	78%	73%
	Vanderbijlpark	82%	72%	79%	71%	80%	70%
ENGINEERING		79%	63%	79%	63%	77%	62%
	Ekurhuleni	69%	63%	85%	60%	70%	66%
	North West	50%	49%				
	Secunda	59%	49%	62%	50%	62%	49%
	Vanderbijlpark	80%	64%	80%	64%	79%	63%
HUMAN SCIENCES		84%	77%	84%	78%	87%	79%
	Educity	75%	69%	78%	71%	87%	75%
	Ekurhuleni	84%	75%	81%	66%	77%	69%
	North West	87%	83%	100%	79%		
	Secunda	81%	67%	82%	72%	76%	63%
	Upington	90%	75%	76%	62%	87%	65%
	Vanderbijlpark	86%	80%	88%	83%	90%	85%
MANAGEMENT SCIENCES		86%	77%	87%	76%	82%	68%
	Educity	88%	80%	89%	78%	85%	70%
	Ekurhuleni	75%	67%	80%	65%	74%	59%
	North West	74%	67%	90%	68%		0%
	Secunda	74%	66%	72%	62%	64%	52%
	Upington	85%	72%	84%	74%	75%	64%
	Vanderbijlpark	91%	80%	89%	79%	84%	71%
Institutional Average		83%	73%	83%	72%	82%	69%

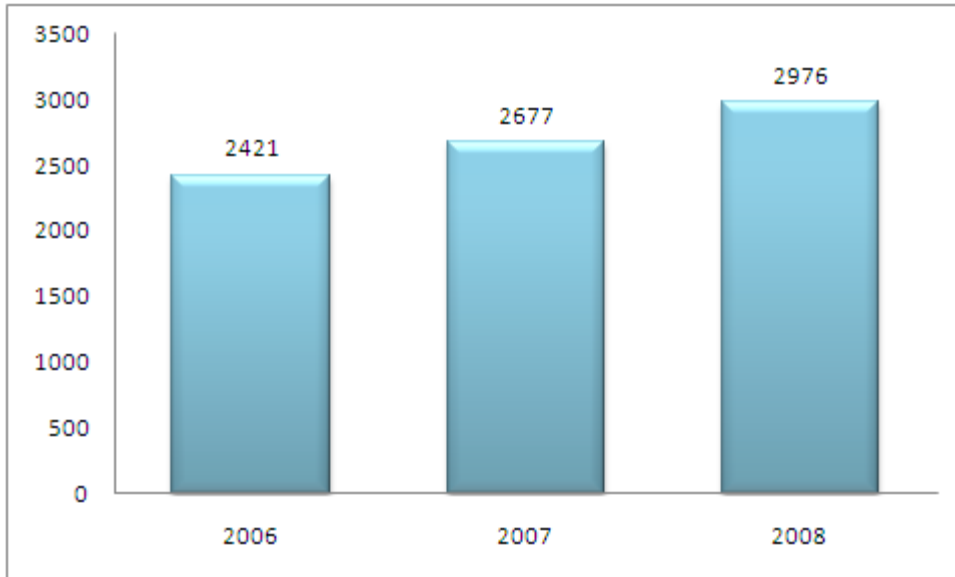
1. * - Data could change

2. Pass rate: Number of students that passed expressed as a percentage of the number that obtained a year mark to write exam. The pass rate will always be higher than the success rate.

3. Pass and Success rate for 2009* is based on June exams only.

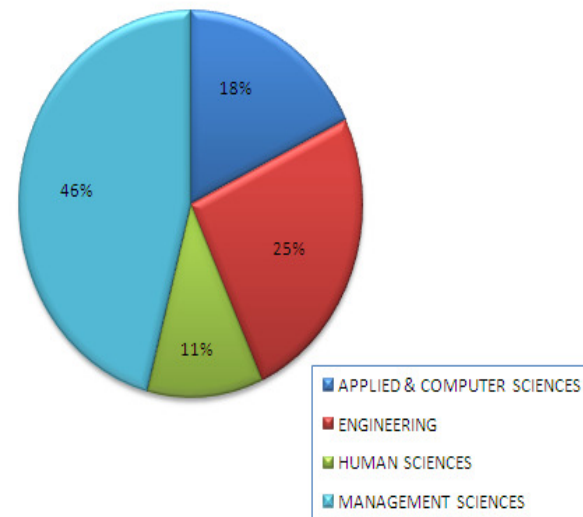
4. GRADUATES

4.1 CONSOLIDATED VUT GRADUATES (2006-2008)



4.2 CONSOLIDATED GRADUATES DISTRIBUTION ACROSS THE FACULTIES (2008)

Faculty	2006	2007	2008
APPLIED & COMPUTER SCIENCES	225	352	530
ENGINEERING	547	607	755
HUMAN SCIENCES	318	351	326
MANAGEMENT SCIENCES	1331	1367	1365
Grand Total	2421	2677	2976

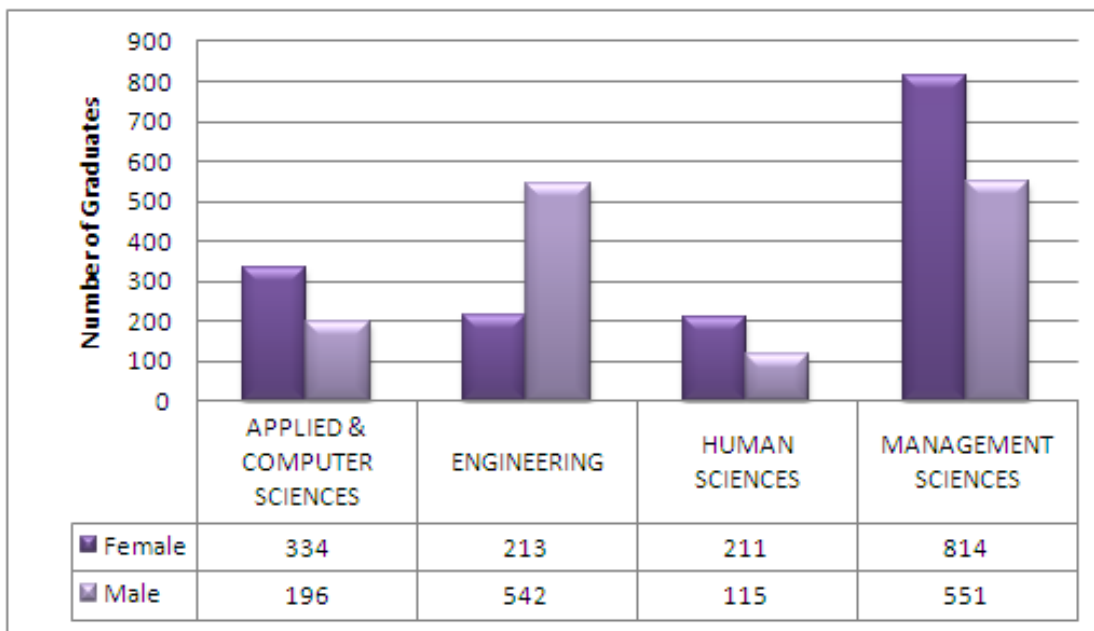


1. Consolidated – Includes site of delivery.

4.3 GENDER DISTRIBUTION OF GRADUATES.

Faculty	2006			2007			2008		
	Female	Male	Totals	Female	Male	Totals	Female	Male	Totals
APPLIED & COMPUTER SCIENCES	146	79	225	250	102	352	334	196	530
ENGINEERING	136	411	547	175	432	607	213	542	755
HUMAN SCIENCES	202	116	318	224	127	351	211	115	326
MANAGEMENT SCIENCES	831	500	1331	822	545	1367	814	551	1365
Grand Total	1315	1106	2421	1471	1206	2677	1572	1404	2976

4.4 GENDER DISTRIBUTION OF GRADUATES PER FACULTY.

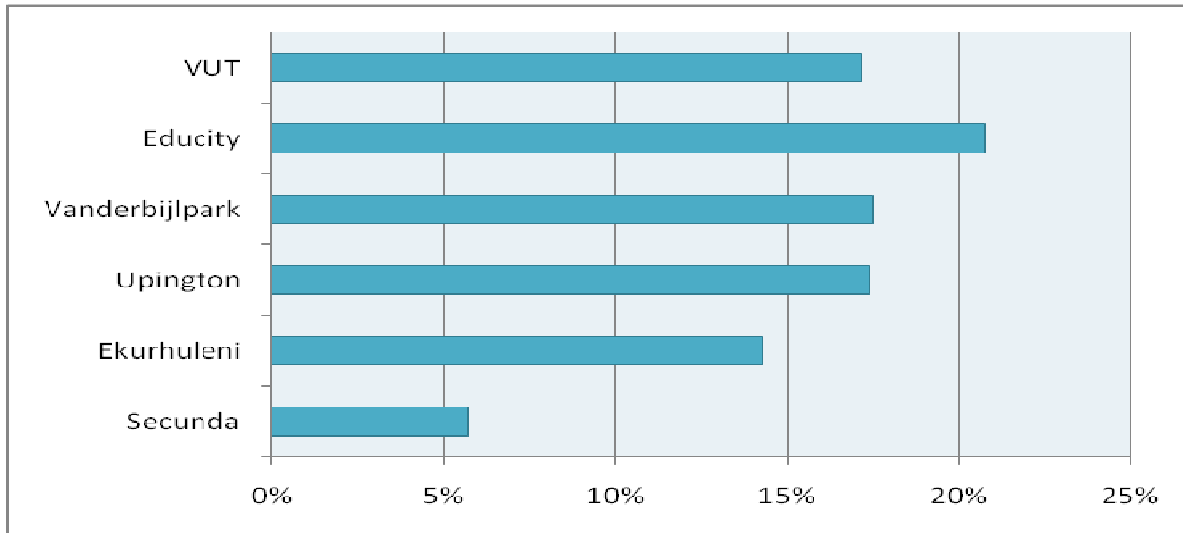


4.5 CONSOLIDATION OF GRADUATION RATE FOR 2008 PER CAMPUS PER FACULTY

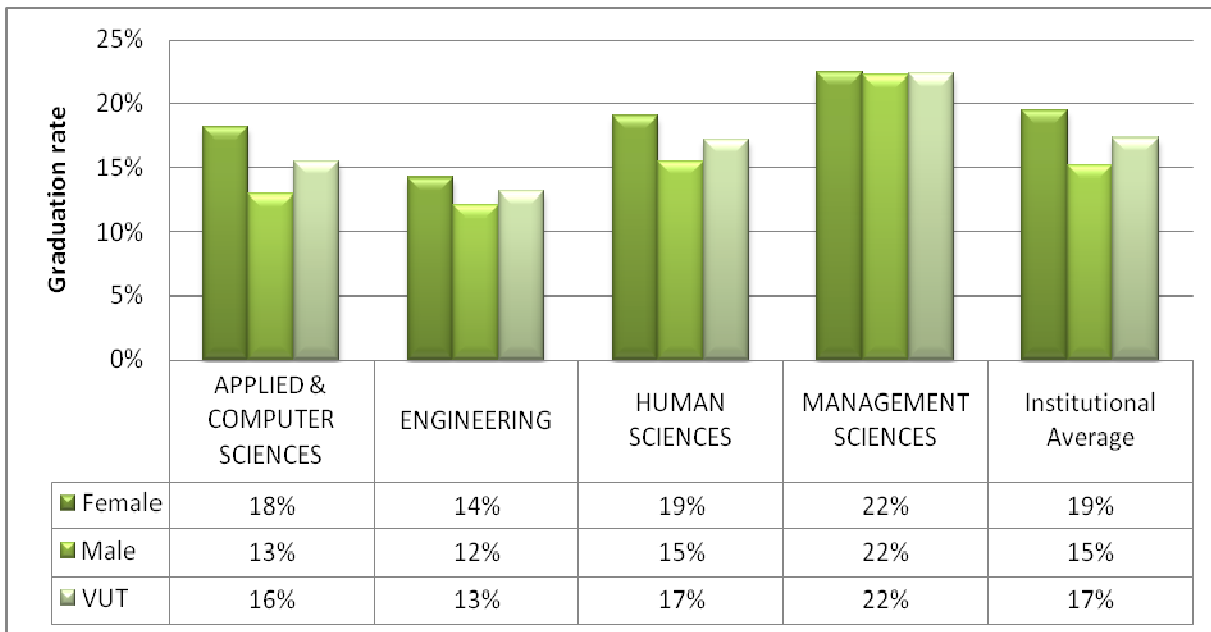
Campus	Headcount	Graduation	Graduation Rate
Educity	3365	699	20.8%
APPLIED & COMPUTER SCIENCES	352	86	24.4%
HUMAN SCIENCES	0	1	
MANAGEMENT SCIENCES	3013	612	20.3%
Ekurhuleni	1197	171	14.3%
APPLIED & COMPUTER SCIENCES	523	64	12.2%
ENGINEERING	4	4	100.0%
HUMAN SCIENCES	72	11	15.3%
MANAGEMENT SCIENCES	598	92	15.4%
Secunda	1068	61	5.7%
APPLIED & COMPUTER SCIENCES		1	
ENGINEERING	665	18	2.7%
HUMAN SCIENCES	187	19	10.2%
MANAGEMENT SCIENCES	216	23	10.6%
Upington	218	38	17.4%
APPLIED & COMPUTER SCIENCES	23	5	21.7%
HUMAN SCIENCES	39	5	12.8%
MANAGEMENT SCIENCES	156	28	17.9%
Vanderbijlpark	11465	2007	17.5%
APPLIED & COMPUTER SCIENCES	2457	374	15.2%
ENGINEERING	5324	733	13.8%
HUMAN SCIENCES	1557	290	18.6%
MANAGEMENT SCIENCES	2127	610	28.7%
Grand Total	17313	2976	17.2%

1. Graduation Rate - Number of students graduated in Year N / number of students registered in Year N.
2. Consolidated – Includes site of delivery.

4.6 GRADUATION RATE FOR 2008 PER CAMPUS



4.7 GRADUATION RATE FOR 2008 PER FACULTY PER GENDER



1. Graduation Rate - Number of students graduated in Year N / number of students registered in Year N.

SECTION B

1. INTERNATIONAL STUDENT SUMMARY FOR 2008

INDICATOR	VALUE
Headcount	1441
Percentage of residential profile	15.75%
Graduation rate (2007)	18.46%
Number of graduates (2007)	266

2. INTERNATIONAL STUDENT PROFILE

2.1 DISTRIBUTION OF STUDENT HEADCOUNT ACROSS FACULTIES:

Faculty	2007	2008	2009*
APPLIED & COMPUTER SCIENCES	263	317	390
ENGINEERING	488	539	589
FACULTY OF HUMAN SCIENCES	166	178	158
MANAGEMENT SCIENCES	388	407	427
Grand Total	1305	1441	1564

1.* - Unaudited data.

2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject

3. Citizen code not equals to 100.

4. Alien Indicator is 'Yes'

2.2 DISTRIBUTION OF STUDENT HEADCOUNT PER COUNTRY

Country	2007	2008	2009*
ANGOLA	51	63	97
BOTSWANA	261	301	301
COUNTRIES IN ASIA	4	3	4
COUNTRIES IN EUROPE	5	13	8
DEMOCRATIC REPUBLIC OF CONGO	217	305	376
LESOTHO	404	329	274
MALAWI	4	3	3
MOZAMBIQUE	1		5
NAMIBIA	12	13	19
OTHER AFRICAN COUNTRIES	219	228	212
SWAZILAND	93	142	196
ZAMBIA	16	16	18
ZIMBABWE	18	25	51
Grand Total	1305	1441	1564

2.3 INTERNATIONAL STUDENT HEADCOUNTS AT PER CAMPUS: (2008)

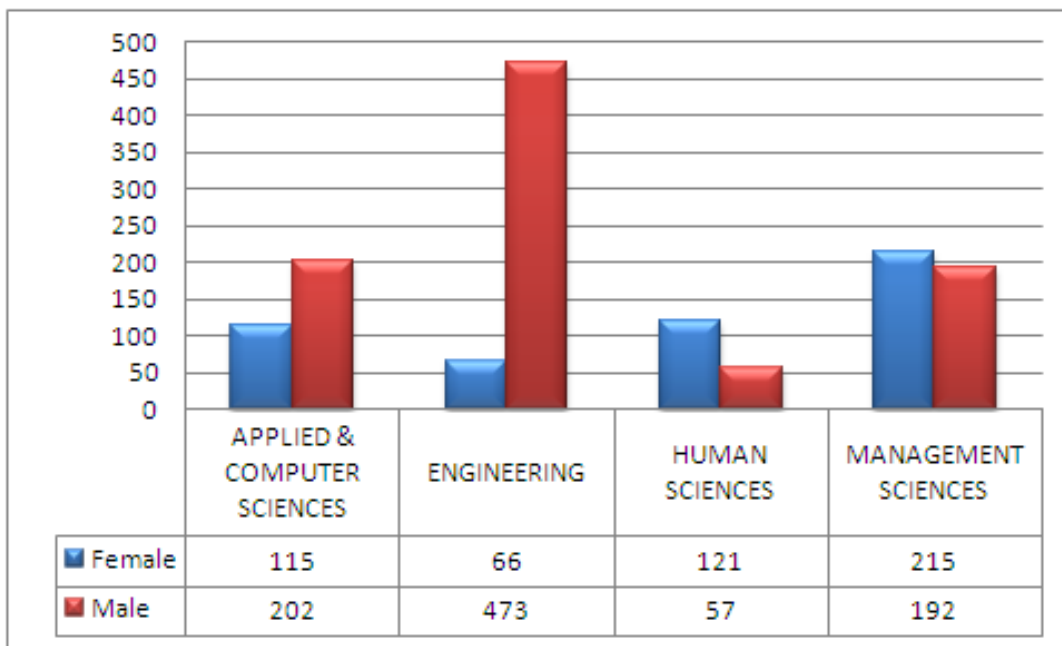
Campus	2007	2008	2009*
Educity	250	255	247
Ekurhuleni	53	77	110
North West	5	2	
Secunda	10	15	20
Upington	3	3	9
Vanderbijlpark	984	1089	1178
Grand Total	1305	1441	1564

1. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject.
2. *Citizen code not equals to 100.*
3. *Alien Indicator is 'Yes'*

2.4 GENDER DISTRIBUTION OF INTERNATIONAL STUDENT HEADCOUNT ACROSS FACULTIES (2007 – 2009*)

Faculty	2007		2008		2009*	
	Female	Male	Female	Male	Female	Male
APPLIED & COMPUTER SCIENCES	107	156	115	202	129	261
ENGINEERING	68	420	66	473	71	518
FACULTY OF HUMAN SCIENCES	111	55	121	57	101	57
MANAGEMENT SCIENCES	209	179	215	192	217	210
Grand Total	495	810	517	924	518	1046

GENDER DISTRIBUTION OF STUDENTS ACROSS FACULTIES 2008



1.* - Unaudited data.

2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject

3. Citizen code not equals to 100.

4. Alien Indicator is 'Yes'

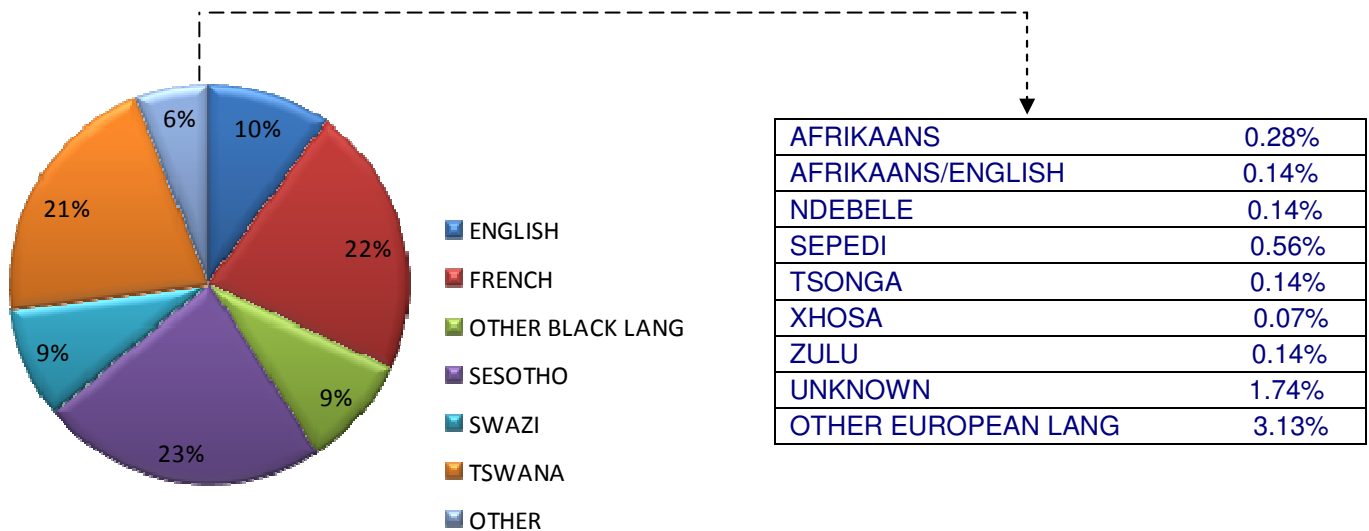
2.5 RESIDENTIAL PROFILE OF INTERNATIONAL STUDENTS

Faculty	2007	2008	2009*
APPLIED & COMPUTER SCIENCES	41	51	66
ENGINEERING	76	82	100
HUMAN SCIENCES	19	25	29
MANAGEMENT SCIENCES	43	69	91
Grand Total	179	227	286

2.6 LANGUAGE

Se-Sotho is the mother tongue of 23% of international students at VUT. French (22%) and Tswana (21%) are the next highest percentage.

The table next to the graph shows the least percentage of international languages.



1.* - Unaudited data.

2. **Headcount is calculated based on the following criteria:** The primary qualification of the student; the qualification has not been cancelled; the student is registered for a subject

3. Citizen code not equals to 100.

4. Alien Indicator is 'Yes'

SECTION C

5. STAFF PROFILE

5.1 HEAD COUNT TOTAL OF PERMANENTLY APPOINTED STAFF CATEGORY

CATEGORY	2006	2007	2008
Instruction/Research Professional	301	287	280
Executive/Administrative/Managerial Professionals	20	26	40
Specialist/Support Professionals	85	82	83
Total Professional Staff	406	395	403
Technical Employees	55	56	60
Non-professional Administrative Employees	202	200	208
Crafts/Trades Employees	4	4	4
Service\Employees	256	247	232
Total Non-Professional Staff	517	507	504
TOTAL PERMANENT STAFF	923	902	907

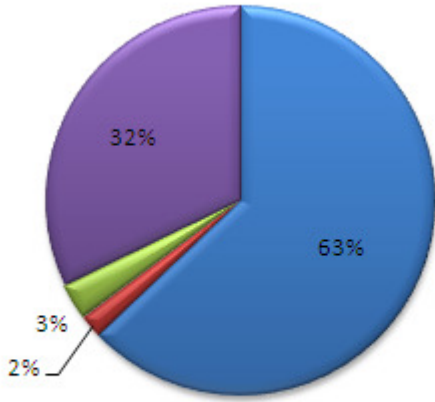
5.2 FULL-TIME EQUIVALENT STAFF BY CATEGORY

CATEGORY	2006	2007	2008
Instruction/Research Professional	429	391	367
Executive/Administrative/Managerial Professionals	22	26	39
Specialist/Support Professionals	106	89	89
Total Professional Staff	557	506	496
Technical Employees	56	57	69
Non-professional Administrative Employees	395	354	328
Crafts/Trades Employees	4	4	4
Service\Employees	358	312	271
Total Non-Professional Staff	813	727	672
TOTAL STAFF FTE	1370	1233	1168

1. Excludes all vacant posts.

5.3 EQUITY

Equity profile of permanent staff in 2008.



Divisions	Black	Coloured	Indian	White	Total
Applied and Computer Science	51	2	3	36	92
Engineering	45	1	2	61	109
Human Science	27	2	6	54	89
Management Science	33	1	4	27	65
Non-Academic Divisions	415	11	12	114	552
Grand Total	571	17	27	292	907

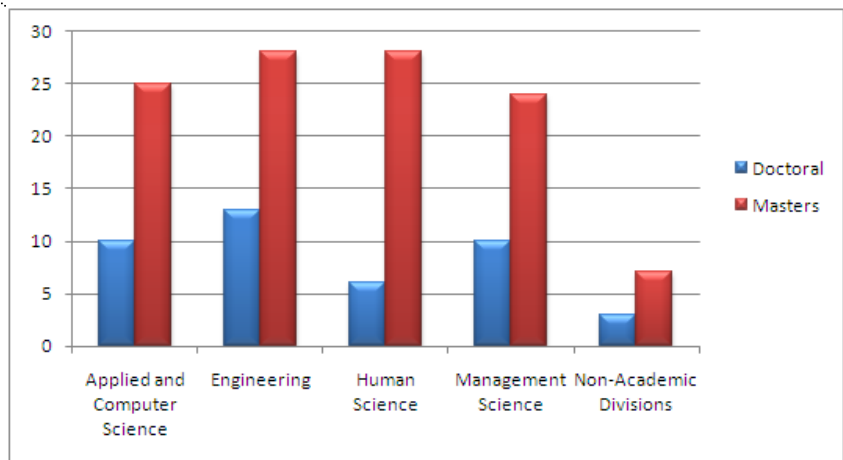
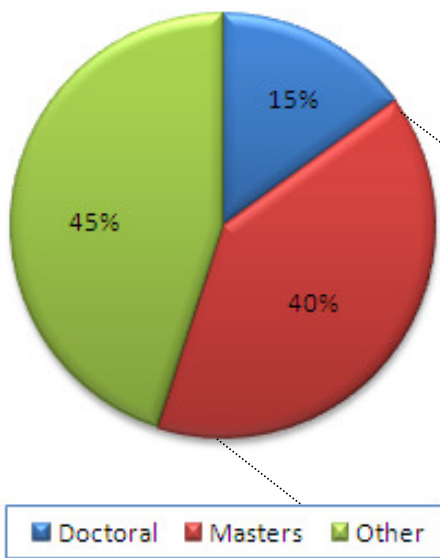
■ Black ■ Coloured ■ Indian ■ White

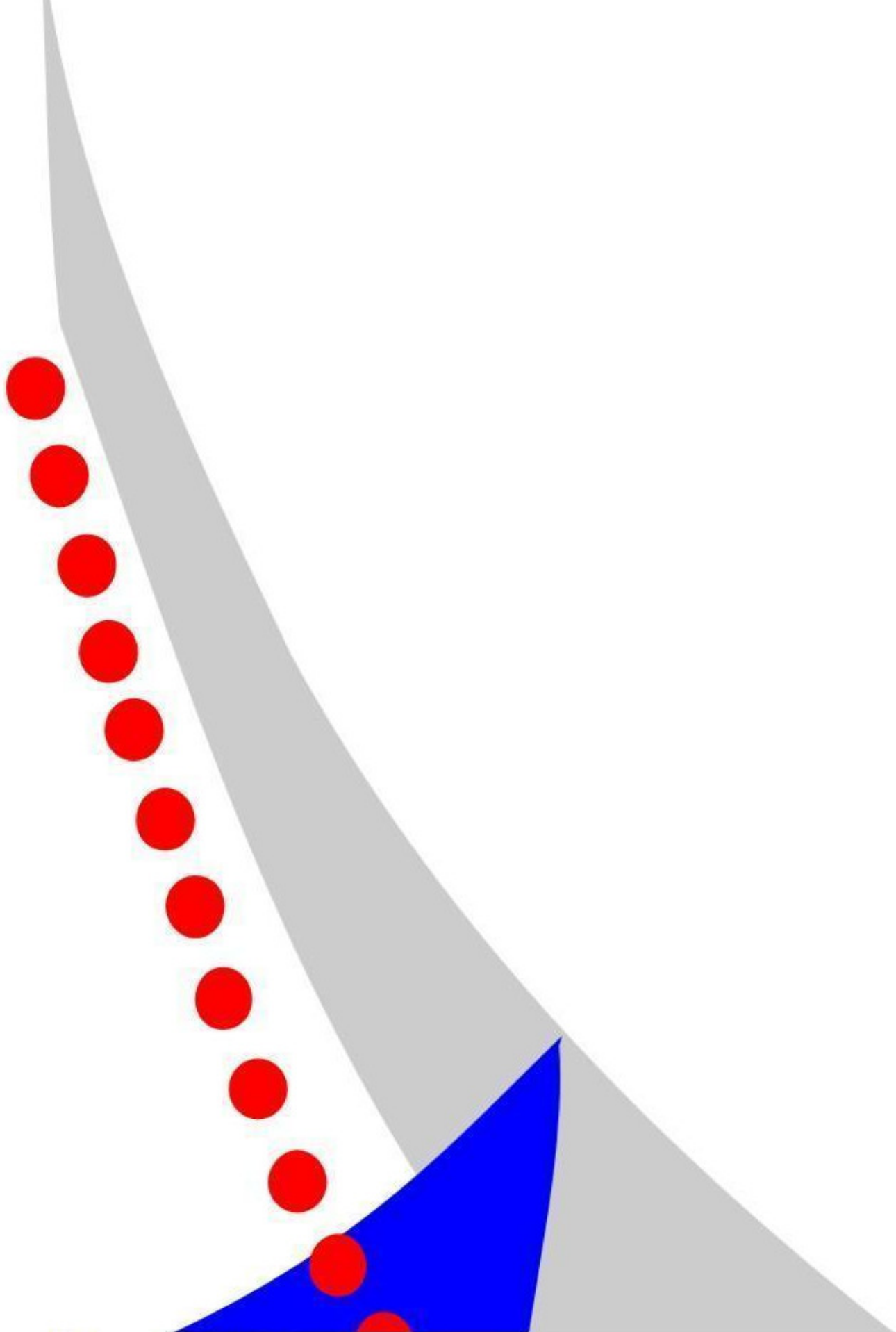
5.4 GENDER PROFILE OF PERMANENT STAFF

Divisions	Black			Coloured			Indian			White		
	F	M	Total	F	M	Total	F	M	Total	F	M	Total
Applied and Computer Science	23	28	51	2		2	1	2	3	26	10	36
Engineering	6	39	45	1		1		2	2	9	52	61
Human Science	17	10	27	2		2	4	2	6	42	12	54
Management Science	14	19	33	1		1	2	2	4	18	9	27
Non-Academic Divisions	231	184	415	8	3	11	6	6	12	84	30	114
Grand Total	291	280	571	14	3	17	13	14	27	179	113	292

5.5 HIGHEST FORMAL QUALIFICATION OF PERMANENT APPOINTED INSTRUCTION/RESEARCH STAFF

Divisions	Doctoral	Masters	Other	Grand Total
Applied and Computer Science	10	25	28	63
Engineering	13	28	30	71
Human Science	6	28	32	66
Management Science	10	24	19	53
Non-Academic Divisions	3	7	17	27
Grand Total	42	112	126	280





For any enquiries, contact:

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