



**NATURAL AND COMPUTATIONAL SCIENCE COLLEGE FROM
2000 - 2012 E.C**

REPORT

Preface

The Natural and computational science college has began its mission accomplishments in 1999 E.C when the University was established in the same year. This report is prepared to document the activities and performances of the college in order to achieve the mission of the college in particular and that of the University in general. The document may serve for evaluation of current activities and achievements with reference to these previous performance reports.

As it had been almost a decade since the college of Natural and Computational Sciences came into effect, it is important to reflect on our considerable achievements over the past ten years and remind ourselves of the objectives we laid out. Under the guiding values of **engaged enquiry** and **mutual accountability**, the college set an ambitious program of work that emphasized excellence in science education, community services and research, and sought to address institutional governance and operational inefficiencies that were damaging the efforts and could no longer be ignored. The changes we made have undoubtedly strengthened the college, however, change of this scale is never easy, nor is it straightforward in a college of such numerous disciplines, large number of students, and academic staff in the regular, extension and summer programs. This report focused only on the principal duties and responsibilities of the academic staff: science and mathematics education, research and community services.

1. Introduction

Debre Markos University is one of the Universities established in 1999 E.C by federal government of Ethiopia. It started its work in this same year with one college namely college of education which later becomes re-organized in two colleges: College of Social Sciences and College of Natural and Computational Sciences.

Vested in its rights and duties, according to the higher education proclamation (652/2009), Debremarkos University in general and the college of natural and computational sciences in particular have performed outstanding activities in teaching, research and community services even though a lot more remains in the modernization of each activity and duty.

2. Teaching and Learning

One of the missions of the college is to produce competent, ethical and innovative graduates through providing quality and relevant education, and engaging students in co curricular activities; with this regard, the number of students enrolled each year and graduated from the various disciplines, from 1999 E.C onwards, is presented in this document.

2.1 Enrolled students

The total number of students enrolled in the faculty of Education during the establishment of the University, in 1999 E.C was 341 in 4 disciplines namely biology, chemistry, mathematics and physics as shown in Table 1 below. Now, the college is administering a total of nearly 4625 active students in all programs both in the undergraduate and postgraduate levels.

Table 1: Regular undergraduate students enrolled since 1999 E.C

No	Year of enrollment	Departments							Total
		Biology	Biotechnology	Sport science	statistics	chemistry	physics	Mathematics	
1	1999	80	-	-	-	80	61	120	341
2	2000	116	-	-	-	115	56	211	498
3	2001	54	-	-	-	46	42	55	197
4	2002	107	-	-	-	103	79	99	388
5	2003	147	-	67		112	86	99	511
6	2004	125	-	64	56	113	104	93	555
7	2005	120	-	122	131	118	93	54	638
8	2006	102	-	88	111	66	51	45	363
9	2007	57	42	110	104	114	55	49	527
10	2008	66	64	54	70	51	25	31	361
11	2009	66	70	53	47	53	21	30	340
12	2010	57	59	57	57	56	34	33	353
13	2011	94	60	81	83	80	61	67	526

Table 2: Summer undergraduate students enrolled since 2000 E.C

N o	Year of enrollment	Departments							Total
		Biology	Biotech nology	Sport science	statistics	chemistry	physics	mathematics	
1	1999			-	-				
2	2000	57	-	-	-	30	44	84	215
3	2001	135	-	-	-	61	70	118	384
4	2002	167	-	-	-	109	122	249	647
5	2003	175	-	-	-	115	95	116	501
6	2004	286	-	284	-	192	256	211	1229
7	2005	130	-	148	-	113	86	79	556
8	2006	264	-	217	-	152	113	120	866
9	2007	237	-	314	-	178	197	180	1106
10	2008	266	42	227	-	139	132	213	1019
11	2009	325	45	228	-	188	142	157	792
12	2010	350	-	242	-	108	56	153	909
13	2011	167	-	189	-	66	68	68	558

2.2 Graduated students

The college began graduation in 2001 E.C with 239 students in four disciplines namely Biology, Chemistry, Physics and Mathematics. In 2011 E.C, almost a decade after the first graduation, a total of 1065 undergraduate students were graduated in the regular and summer programs as shown in tables 3 and 4.

Table 3: Regular undergraduate students graduated since 2001 E.C

No	Year of enrollment	Departments							Total
		Biology	Physics	Chemistry	Mathematics	Sport science	Statistics	Biotechnology	
1	2001	52	36	60	91	-	-	-	239
2	2002	90	41	105	149	-	-	-	385
3	2003	33	35	34	41	-	-	-	143
4	2004	75	53	82	56	-	-	-	266
5	2005	128	75	92	80	52	-	-	427
6	2006	112	87	104	69	54	49	-	426
7	2007	107	79	112	45	86	115	-	464
8	2008	77	37	50	32	62	92	-	350
9	2009	49	46	75	32	91	101	-	394
10	2010	46	11	45	13	37	63	34	249
11	2011	50	7	37	18	19	37	49	217

Table 4: Summer undergraduate students graduated since 2002 E.C

No	Year of graduation	Departments					Total
		Biology	Physics	Chemistry	Mathematics	Sport science	
1	2002	46	38	35	75	-	194
2	2003	124	56	67	134	-	381
3	2004	2	0	0	3	-	5
4	2005	110	66	92	134	-	402
5	2006	106	68	115	81	-	370
6	2007	256	161	243	144	208	804
7	2008	106	47	98	66	120	437
8	2009	214	60	84	72	144	1011
9	2010	223	79	174	79	193	555
10	2011	193	95	235	117	208	848

Post graduate enrollment in the college of natural and computational sciences began in 2010 E.C E.C where 52 students were registered in the department of biology, physics, chemistry and mathematics to specialize in the various disciplines. The data below (Table 5) shows number of post graduate students in various disciplines in the regular program.

Table 5: Enrollment of regular post graduate students since 2010 E.C

No	Year of enrollment	Departments					Total
		Biology	Physics	Chemistry	Mathematics	Sport science	
1	2010	22	9	12	9	-	52
2	2011	19	8	15	12	-	54
3	2012	13	5	13	13	10	54

Extension enrollment in postgraduate level began in 2007 where 8 students were registered in the department of physics. Currently, 205 students are attending their master studies in the extension program in various specializations as shown in table 6.

Table 6: Enrollment of extension post graduate students since 2007 E.C

No	Year of enrollment	Departments					Total
		Biology	Physics	Chemistry	Mathematics	Sport science	
1	2007	-	8	-	-	-	8
2	2008	-	8	-	-	-	8
3	2009	-	-	11	10	-	21
4	2010	-	-	11	32	-	43
5	2011	-	18	11	16	-	45
6	2012	32	21	9	30	25	117

As indicated in table 7, postgraduate enrollment in the college of natural and computational sciences in summer programs started in 2006 E.C. 546 students are studying actively to pursue their Msc degrees in various fields of specialization in the summer program.

Table 7: Enrollment of summer post graduate students since 2006 E.C

No	Year of enrollment	Departments					Total
		Biology	Physics	Chemistry	Mathematics	Sport science	
1	2006	20	17	-	-	-	37
2	2007	20	19	-	20	-	59
3	2008	36	16	21	13	-	86
4	2009	55	31	20	25	-	131
5	2010	49	13	31	46	16	155
6	2011	71	41	33	50	65	260

This year, a total of almost 820 students are attending their post graduate lessons in 19 disciplines in all programs, including master of education (MED) in biology, chemistry, mathematics, physics and physical education

The college also started graduating students in the masters' degree level in 2007 where 7 students were graduated in zoology and systematic ecology. Since then, a total of about 230 students were holding their masters degrees in various disciplines in the regular, extension and summer programs.

2.3 Staff profile

To achieve its vision, the college of natural and computational Science employed, and will employ, qualified teachers and laboratory technical assistants based on defined criteria and needs assessment. The college started its activities with 32 college academic staff as shown in table 8 below.

Currently, the college of natural and computational sciences undergoes its activities with a total of **207** personnel consisting of **186** academic and **21** administrative and support staff. As shown in table 9, 93.5% of the academic staff has a rank of lecturer and above with only nearly 20% in the rank of assistant professor.

Table 8: Number of academic staff in the college since 1999 E.C

No	Year	Departments																							
		Biology			Biotechno logy			Sport science			Statistics			Chemistry			Physics			Mathemat ics			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	1999	4	1	5	-	-	-	3	-	3	-	-	-	8	1	9	4	-	4	11	-	11	30	2	32
2	2000	8	1	9	-	-	-	6	-	6	-	-	-	9	1	10	7	-	7	14	1	15	44	3	47
3	2001	9	1	10	-	-	-	7	-	7	-	-	-	10	1	11	11	-	11	15	1	16	52	3	55
4	2002	8	1	9	-	-	-	6	-	6	-	-	-	11	2	13	11	-	11	15	3	18	51	6	57
5	2003	14	1	15	-	-	-	8	-	8	-	-	-	15	2	17	13	-	13	19	1	20	69	4	73
6	2004	20	3	23	-	-	-	9	-	9	4	-	4	16	2	18	13	-	13	26	2	28	88	7	95
7	2005	23	3	26	-	-	-	11	-	11	5	-	5	17	2	19	16	-	16	28	2	30	100	7	107
8	2006	27	3	30	-	-	-	12	-	12	16	2	18	22	1	23	15	-	15	32	2	34	124	8	132
9	2007	24	3	27	3	-	3	17	-	17	20	2	22	24	1	25	16	-	16	34	2	36	138	8	146
10	2008	24	5	29	4	0	4	17	3	20	18	4	22	22	4	26	13	2	15	29	4	33	127	22	149
11	2009	24	5	29	5	1	6	18	4	22	19	3	22	23	4	27	15	2	17	34	3	37	138	22	160
12	2010	24	5	29	5	2	7	18	4	22	20	3	23	24	4	28	15	2	17	31	3	34	137	23	160
13	2011	23	5	28	9	2	11	18	4	22	15	2	17	30	4	34	19	2	21	34	3	37	148	22	170
14	2012	23	6	29	10	3	13	18	4	22	20	2	22	34	4	38	23	2	25	34	3	37	162	24	186

Table 9: Academic staff profile (2012 E.C)

No	Department	Associate Professor			Assistant Professor			Lecturer			Assistant Lecturer			Graduate Assistant II			Graduate Assistant I			Total		
		M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	Biology	1	-	1	12	-	12	12	6	18	-	-	-	-	-	-	-	-	-	25	6	31
2	Biotechnology	-	-	-	3	-	3	3	2	5	4	-	4	-	1	1	-	-	-	10	3	13
3	Sport Science	-	-	-	4	-	4	12	3	15	1	1	2	-	-	-	-	-	-	17	4	21
4	Statistics	-	-	-	1	-	1	18	1	19	-	1	1	-	-	-	-	-	-	19	2	21
5	Chemistry	-	-	-	8	-	8	26	3	29	1	1	2	-	-	-	-	-	-	35	4	39
6	Physics	-	-	-	6	-	6	17	1	18	-	1	1	-	-	-	-	-	-	23	2	25
7	Mathematics	-	-	-	5	-	5	28	3	31	1	-	1	-	-	-	-	-	-	34	3	37
Total		1	-	1	36	-	36	118	19	137	7	4	11	-	1	1	-	-	-	162	24	186

Academic duties and activities are supported (facilitated) by the administrative and support staff where 21 personnel are currently involved in various educational levels.

Table 10: Administrative and Technical staff profile (2012 E.C)

	Masters	degree	diploma	Other	Total
Administrative	-	11	8	2	21
Technical	2	23	1	-	26

3. College and department leadership

Since its emergence as an independent academic institution in 2002, 61 academic staff have participated in leadership roles in the college; 7 in dean and 6 in vice dean positions, 44 in department head positions and 4 in administrative positions as shown here in.

Table 11: Deans and Vice Deans of the college since 2002 E.C

No	Name of Dean	Field of study	Term in office (E.C)	Remark
1	Dr Esubalew Meku	Chemistry	Feb 2002 - July 2002	Dean
2	Dr Hungnaw Dessie	Mathematics	July 2002 - Sept 2004	Dean
3	Taddese Tenaw	Physics	Sept 2004- Jan 2006	Dean
4	Ayana Abawa	Math	Feb 2006-Oct 2008	Dean
5	Yilkal Bezie	Biotechnology	Oct 2008-July 2010	Dean
6	Dr Tamiru Nigussie	Physics	Sept 2011-Sept 2012	Dean
7	Dr Demeke Fisseha	Mathematics	Sept 2012 -	Dean
8	Abebe Mulugeta	Mathematics	-	V. Dean
9	Shumet Agonafir (Ass/Prof)	Sport Science	Oct 2008-Nov 2011	V. Dean
10	Sintayehu Leshe (Ass/Prof)	Chemistry	Sept 2007-Jan 2009	RCS*
11	Dr Esubalew Meku	Chemistry	Jan 2009-Sept 2011	RCS*
12	Tsigereda Ayalew	Chemistry	Oct 2011---	V. Dean
13	Ashagrie Sharew (Ass/prof)	Statistics	Oct 2011---	RCS*

* *Research and community Services coordinator*

Table 12: Heads of departments since 1999 E.C

No	Department	Head of department	Term in office
1	Mathematics	Beza Lamesgen	Oct 1999- Sept 2000
		Dr Demeke Fisseha	Oct 2000- June 2001
		Mekuanent Agegnehu	Aug 2001-Aug 2003
		Yimer Lebese	Sept 2004-Nov 2005
		Beza Lamesgen	Nov 2005-Feb 2007
		Dr. Yeshanew Zerihun	Mar 2007-Nov 2008
		Abreham Fentie	Dec 2008-Nov 2010
		Dr Getachew Alemu	Dec 2010- Jan 2012
		Dr Bewket Teshale	Feb 2012-
2	Physics	Dr Tamiru Nigussie	Jan 1999-Mar 2000
		Dr Yihunie Hibstie	Apr 2000- Oct 2002
		Taddese Tenaw	Oct 2002-Feb 2003
		Balew Adane	Mar 2003-Nov 2007
		Bantayehu Aderaw	Dec 2007- sept 2011
		Wasihun Ayenew	sept 2011- Sept 2012
		Sinamaw Mekuanent	sept 2012 -
3	Biology	Dr Getachew Simeneh	Nov 1999-Oct 2001
		Muluye Teka	Oct 2001-Oct 2002
		Dr Getnet Atenafu	Oct 2002 – Oct 2003
		Dr Leweye Getie	Oct 2003- Oct 2004
		Yilkal Bezie (Ass. Prof)	Oct 2004-Dec 2007
		Bewketu Takele	Dec 2007-Oct 2010
		Dr Asmamaw habitamu	Oct 2010-Nov 2012
		Tadele Temesgen	Dec 2012 -
4	Chemistry	Seid Hassen	1999-2000
		Dr Esubalew Meku	2000-2002
		Dr Fedlu Kedir	2002-2003
		Dr Aklilu Fekadie	2003- Nov 2004

		Dr Addisu Alemayehu	Nov 2004-Nov 2006
		Yihene Simegnew	Nov 2006-Nov 2008
		Yihalem Abebe	Nov 2008-Sept 2010
		Mamaru Bitew	Sept 2010- Sept2011
		Jenbere Mola	Sept 2011- Apr 2011
		Abebaw Shitahun	May 2011-----
5	Statistics	Shimeles Mulugeta	July 2003-sept 2005
		Awraris Woldie	Oct 2005-Dec 2006
		Tibebu Getiye	Jan 2006-Oct 2008
		Ashagrie Sharew (Ass. Prof)	Nov 2008-Apr 2010
		Awoke Fetahi	May 2010-Nov 2012
		Yebelay Birlie	Nov 2012- Jan 2012
		Dawit Yeshiwas	Jan 2012 -
6	Sport Science	Tilahun Limeneh	Sept 2003- Jan 2005
		Temesgen Haile	Jan 2005-Jan 2006
		Dr Getu Teferi	Jan 2006 - Aug 2006
		Awoke Tibebu	Aug 2006 - Jan 2007
		Shumet Agonafir (Ass. Prof)	Jan 2007 - Oct 2008
		Yehualaw Alemu	Oct 2008 - June 2009
		Fenta Bitew	June 2009 - May 2011
		Dr Getu Teferi	May 2011 -
7	Biotechnology	Yilkal Bezie (Ass prof)	Dec 2007-Oct 2008
		Birhan Aynalem	Oct 2008-May 2008
		Nakachew Munye (Ass. Prof)	May 2008-Nov 2011
		Adebabay Tazeb	Dec 2011-

4. Disciplines in the college

Currently, the college of Natural and Computational Sciences is organized in 7 departments: Biology, Chemistry, Mathematics, Physics, Sport Science, Statics and Biotechnology. The College is also currently running 19 Master of Science programs:

1. Solid state physics
 2. Nuclear physics
 3. Analytical Chemistry
 4. Organic Chemistry
 5. Inorganic Chemistry
 6. Physical Chemistry
 7. Mathematics (Algebra)
 8. Mathematics (differential)
 9. Ecology and systematic zoology
 10. Botanical sciences
 11. Biomedical sciences
 12. MSc in health fitness
 13. MSc in football coaching
 14. Applied Entomology
 15. MED in Physics, Chemistry, Biology, Mathematics and Physical Education
- 5. Research and Community services**

Besides producing competent graduates in various disciplines, other missions of the college are carrying out problem solving scientific research, designing and providing public and consultancy services that shall foster the development needs of the society through active involvement of the academic staff, students and the community. With this in mind, the college has been undertaking problem solving researches and has been providing demand driven community through involvement of the academic staff.

5.1. Research activities

Research activities in the college of natural and computational college began in 2004 E.C with the involvement of academic staff in the department of biology. Showing a rapid increase in involvement of staff since then significant number academic staff are participating in various research works in 2012 E.C. Research activities in the college were officially coordinated since 2008 E.C.

Currently, 8 research works are conducted with the involvement of 15 academic staff in the college with about **2.5 million** Birr granted from the University. The number of research articles published in reputable international and local journals by the college academic staff (both independent and from University grant) is estimated to be **40** in the last decade. For the last decade much training were provided to the academic staff on research writing, project writing, data management, handling and interpretation, and manuscript writing. Since 2008 E.C, when the college began administering research projects, at total of 47 interdisciplinary research works were conducted by the academic staff. The number of female researchers as indicated in **table 13** below is a critical concern of the college. Special focus is given to increase the proportion for the upcoming grants.

Table 13: Research projects since 2008 E.C

Year (E.C)	Funding (Birr)	Research projects	Project participants			Remark
			Male	Female	Total	
2008	351222	7	18	1	19	
2009	307001.45	9	14	0	14	
2010		9	18	1	19	
2011	1945277	14	36	1	37	
2012	2500642	8	18	0	18	

5.2 Community Services

Despite the fact that community services in the college of natural and computational sciences began in 2004 E.C by provision of professional teacher training to 60 high school teachers of chemistry and biology, a lot of teachers in East Gojjam zone of the region have attended teacher professional training in various disciplines on a yearly basis since then. Of principal community projects in the college that sought recognition are the **youth football project** and the **physics virtual laboratory project**. Another crucial community service is the STEM program. High academically ranked students of grade 10 and 12 from all secondary and preparatory schools had attended the STEM program since 2006 E.C. Tutorial classes were among other public services provided to Dibza and Ethiopia Japan high schools in mathematics, physics, chemistry and biology.

6. Strategic Thinking for the college's Future

The following are foundational principles that frame the college's aspirations as one of the University's great teaching and research faculty.

1. Offering students a rich and diverse intellectual community that educates the whole person and cultivates lifelong learning

Our graduates must be able to solve problems. Toward that end, the college of natural and computational sciences will instill in students the ability to engage, to question, and to forge positive change. Learning is no longer a one-off affair. Students in any program should automatically belong to an ongoing learning network. Learning must be a lasting trend. Programs need to be relevant over the course of a working life, not merely provide platforms for young students.

2. Investing in multi- and inter-disciplinary programs to lead in defining and addressing important problems facing society, while pursuing new and exciting opportunities

Our college is poised to excel in discovery and learning by leveraging the tremendous expertise from across all departments while further strengthening our training of future leaders and scholars. Trans-institutional programs will focus on issues of wide-ranging significance, create and/or extend collaborations across multiple fields, and include both research and teaching components, positioning the college of natural and computational sciences to be the central role player in the modernization of Debremarkos University in teaching, research and community services.

3. Building distinctive and distinguished programs that develop and offer effective solutions to pressing community problems

Our college must harness its widely recognized strengths in teaching science and mathematics with considerable disciplinary breadth across the University.

We recommend support for efforts to develop and implement innovative, aggressive and multidisciplinary solutions that improve personal and community awareness in science, technology and education, advance the quality, equity, and accountability of science and mathematics teachers, improve public education, science and technology policy and train future leaders and scholars in the workforce.

4. Transforming education models through technology and research

The college of natural and computational science must build on its national reputation and conduct cutting-edge research that will assess effectiveness of new education technologies, which, in turn, will allow us to be a leader in best practices. The academic and administrative staff must embrace those new education technologies that foster innovation in learning, teaching, and discovery.

Action-based learning models focus on solving real-life problems. Fundamentally, learning must be thought more as an iterative process, not only based on the “research-develop-teach” model that underpins most traditional education. Action-based learning drives motivation by being relevant, by creating tangible solutions and by showcasing impact. Action-based learning models include for, for example, real-life consulting projects, labs, entrepreneurial tasks, and even helping to lead change.

5. Transforming the college’s information and data management system using digital technology

All scientific information and academic as well as student data must be saved in the college web site, managed and used wisely. Everyone in the college must have all necessary database system to be shared with and provided to information seekers as required. The college must have **Student Database System** that stores semester details, course details, department details and all the details of students **including** their background information, educational qualifications and personal details etc. It can be used by any educational institute or **college member** to maintain records of students easily. Academic staff database must include all details of every member of the staff including biography, recruitment, payrolls, training and induction, qualifications and promotions, performance evaluation, research and community services activities, committee and other co-curricular activities, publications (both institutional and international) and any other relevant information.

Prepared by:

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Dr Hunegnaw Dessie, Department of Mathematics

Awoke Tibebu, Department of Sport Science

Dr Ayalew Sisay, Department of Biology

Appendix I: Academic Staff Profile

No	Name of Academic Staff	Qualification	Specialization	Rank	Remark
1	Adem Nega	PhD	Insect Science	Assistant Professor	
2	Aemiro Mekonen	PhD	Ecology & syst zoology	Assistant Professor	
3	Alebachew Tadie	MSc	Ecology & syst zoology	Assistant Professor	
4	Alemayehu Kefeyalw	PhD	Botanical science	Assistant Professor	
5	Asmamaw Habitamu	PhD	Biomedical science	Assistant Professor	
6	Ayalew Sisay	PhD	Fisheries and Aquatic Science	Assistant Professor	
7	Belay Berza	MSc	Micro biology	Lecturer	
8	Bewketu Takele	MSc	Zoological sc	Lecturer	
9	Enguday Adane	MSc	Plant Biotech	Lecturer	
10	Gashaw Amsalu	MSc	Biomedical sc	Lecturer	
11	Genet Ayele	MSc	Environmental Bio	Lecturer	
12	Getachew Simeneh	PhD	Ecology & syst zoology	Assistant Professor	
13	Getaneh Belachew	PhD	Botanical science	Assistant Professor	
14	Getinet Atinafu	PhD	Insect science	Associate professor	
15	Haimanot Reta	PhD	Botanical science	Assistant Professor	
16	Leweye Gete	PhD	Genetics	Assistant Professor	
17	Liyew Birhanu	MSc	Botanical Sc	Lecturer	
18	Meseret Egigu	MSc	Mol µbial Bio	Lecturer	
19	Moges Beletew	MSc	Fishery &Limnology	Lecturer	
20	Mulat Ayenew	MSc	Zoological Sc	Lecturer	
21	Mulugeta Fenta	MSc	Micro biology	Lecturer	
22	Muluye Teka	MSc	Micro biology	Lecturer	
23	Nigusie Amsalu	MSc	Botanical Sc	Lecturer	
24	Sara Sentayehu	MSc	Botanical Sc	Lecturer	
25	Seble Ayalew	MSc	Biomedical sc	Lecturer	
26	Seble W/yohannes	MSc	Botanical Sc	Lecturer	
27	Solomon Yeshanew	MSc	Biomedical parasitology	Assistant Professor	
28	Tadele Temsgen	MSc	Genetics	Lecturer	
29	Temesgen Alemineh	MSc	Microbiology	Lecturer	

30	Workie Getie	MSc	Microbiology	Assistant Professor
31	Yohannes Mulugeta	MSc	Botanical Sc	Lecturer
32	Abebaw Shitahun	MSc.	Analytical	Lecturer
33	Abere Habtamu	Msc	Organic	Lecturer
34	Addisu Alemayehu	PhD	Organic	Assistant Professor
35	Anduaem Ejigu	Msc	Physical	Lecturer
36	Belete Geremew	Msc	Analytical	Lecturer
37	Dagim zewude	Msc	Physical	Lecturer
38	Demisachew shitaw	Ms c	Physical	Assistant Professor
39	Destaw Enigdaw	Msc	Inorganic	Assistant Professor
40	Ejigu Bayu	Msc	Organic	Lecturer
41	Eniyew Alemayehu	Msc	Inorganic	Lecturer
42	Esubalew Meku	Ph.D	Inorganic	Assistant Professor
43	Feleke worku	Msc	Organic	Lecturer
44	Kidist Aderaw	Ms c	Organic	Lecturer
45	Leyla Hassen	Msc	Inorganic	Lecturer
46	Mesert zebeaman	Msc	Organic	Lecturer
47	Minbale Admas	Ph.D	Inorganic	Assistant Professor
48	Minbale Endaye	Msc	Analytical	Lecturer
49	Mulatu Kasie	PhD	Analytical	Lecturer
50	Sintayehu Leshe	MSc	Analytical	Assistant Professor
51	Tilahun Awok	PhD	Physical	Assistant Professor
52	Tsegereda Ayalew	M.Sc	Analytical	Lecturer
53	Yetnebershe Shitahun	Msc	Analytical	Lecturer
54	Yohannes Misker	Ph.D	Inorganic	Assistant Professor
55	Yonatan Daghachew	Msc	Organic	Lecturer
56	Yihalem Abebe	Msc	Organic	Lecturer
57	Yihenew Simegniew	Msc	Medicinal	Lecturer
58	Zewdu Abebe	Msc	Analytical	Lecturer

59	Amsalu Moges	Bsc	-	Lecturer
60	Fekadu Wubet	Msc	Organic	Lecturer
61	Getaneh Firew	Msc	Physical	Lecturer
62	Misganaw Adigo	Msc	Organic	Lecturer
63	Adane Kassa	Msc	Inorganic	Lecturer
64	Yekedem Getnet	Bsc	-	Lecturer
65	Adane Abebe	Msc	Analytical	Lecturer
66	Mamaru Bitew	Msc	Inorganic	Lecturer
67	Jenberie Molla	Msc	Physical	Lecturer
68	Solomon Bekele	Msc	Physical	Lecturer
69	Tadele Ageru	Msc	Physical	Lecturer
70	Gezahegn Tadesse	Msc	Inorganic	Lecturer
71	AbrehamAbebe	MSc	Football Coaching	Lecturer
72	Almaz Amare	MSc	Teaching in PE	Lecturer
73	Ashenafi kefyalew	Ph.D	Sports Science (Football Coaching)	Assistant Professor
74	Atalay Molla	MSc	Sports Nutrition	Lecturer
75	Awoke Tebebu	Msc	Athletics coaching	Lecturer
76	Dagnanesh	MSc	Sports nutrition	Lecturer
77	Daniel keberet	MSc	Clinical Nutrition	Lecturer
78	Fenta Bitew	MSc	Teaching in PE	Lecturer
79	GetuTeferi	Ph.D	Health Fitness & Exercise Medicine	Assistant Professor
80	Haileyesus Bazezew	Ph.D	Football Coaching	Lecture
81	Mollalign Enchalew	MED	Teaching in PE	Lecturer
82	Mulusew Gulbet	MSc	Football coaching	Lecturer
83	Shumetie Agonafer	Msc	Teaching PE	Assistant Professor
84	Sileshi Demelash	MSc	Baskateball Coaching	Lecturer
85	Simeneh Birhanu	MSc	Teaching In PE	Lecturer
86	Solomon Adamu	Msc	Exercise Physiology	Lecturer
87	Tariku Assefa	Ph.D	Exercise Physiology	Assistant Professor
88	TilahunTimenih	MSc	Sports management	Lecturer
89	Wubliker Tibebe	BSc	BSc in Sports Science	Assistant Lecturer
90	Yalemsew Demelie	Bsc	MSc in Sports science	Assistant Lecturer
91	YehualawAlemu	MSc	Athletics Coaching	Lecturer
92	Abebaw Bizuayehu	MSc	optimization	Lecturer
93	Abebaw Alem	MSc	Analysis	Lecturer
94	Abebe Mossie	MSc	Numerical	Lecturer
95	Abebe Mulugeta	MSc	Applied math	Lecturer
96	Alemu Bekele	MSc	Optimization	Lecturer

97	Alene Tefera	MSc	Algebra	Lecturer
98	Ayana Abawa	MSc	Deferential	Lecturer
99	Basaznew Diresse	MSc	Algebra	Lecturer
100	Bukayaw Kindu	MSc	Differential	Lecturer
101	Yeshanew Zerihun	PhD	Algebra	Assistant Professor
102	Demeke Fisha	PhD	Modeling	Assistant Professor
103	Getachew Alemu	PhD	Differential	Assistant Professor
104	Hunegnaw Dessie	PhD	Differential	Assistant Professor
105	Beweketu Teshale	PhD	Modeling	Assistant Professor
106	Ehite Mulugeta	MSc	Combinatory	Lecturer
107	Endeshaw Kassa	MSc	Differential	Lecturer
108	Esubalew Getie	MSc	Combinatory	Lecturer
109	Fenta Temesgen	MSc	Numerical	Lecturer
110	Gedefaw Enawgaw	MSc	Applied math	Lecturer
111	Gedefaw Mekuriaw	MSc	Applied math	Lecturer
112	Habtamu Getacew	MSc	Numerical	Lecture
113	Hailab Tewolde	MSc	Optimization	Lecture
114	Hailemichael Gelaw	MSc	Numerical	Lecturer
115	Semma Zeleke	MSc	Numerical	Lecturer
116	Tirualem Mersha	MSc	Algebra	Lecturer
117	Yetwale Hailu	MSc	Optimization	Lecturer
118	Germawe Ayele	MSc	Combinational	Lecturer
119	Tsegaye Fekadu	MSc	Differential	Lecturer
120	Melisew Adamu	MSc	Algebra	Lecturer
121	Yalemtshaye Lake	MSc	Differential	Lecturer
122	Tirngo Muchie	MSc	Differential	Lecturer
123	Meskerem Abebaw	MSc		Lecturer
124	Teshale Damena	MSc		Lecturer
125	Abrham Fentie	MSc		Lecturer
126	Tamiru Melese Beyene	MSc		Lecturer
127	Beza Lamesgin	MSc		Lecturer
128	Habtamu Ayalew	MSc		Lecturer
129	Abiba Mihret	MSc.	Biostatistics	Lecturer
130	Amare Wubshet	MSc.	Applied Statistics	Lecturer
131	AshagrieSharew	MSc.	Statistics	Ass. Professor
132	AwekeFetahi	MSc.	Biostatistics	Lecturer
133	DawitYeshiwas	MSc.	Applied Statistics	Lecturer
134	Demelash Abawa	MSc.	Biostatistics	Lecturer

135	EndalewTesfa	MSc.	Econometrics	Lecturer
136	Eskezia Yihunie	MSc		Lecturer
137	FirrusGetahun	BSc.	Not yet	Lecturer
138	Haile Yismaw	MSc.	Biostatistics	Lecturer
139	HaymroEdmealem	MSc.	Biometry	Lecturer
140	LeulMekonnen	MSc.	statistics	Lecturer
141	MetadelAzeze	MSc.	Biostatistics	Lecturer
142	MisganawMekonnen	MSc.	Biostatistics	Lecturer
143	MuluyeGetie	MSc.	Biostatics	Lecturer
144	NigatuTiruneh	MSc.	Applied statistics	Lecturer
145	NigussieGashaye	MSc.	Biostatistics	Lecturer
146	ShimelisMulugeta	MSc.	Statistics	Lecturer
147	TizazuBayko	MSc.	Applied Statistics	Lecturer
148	Yebelay Birlie	MSc		Lecturer
149	YenesewFantahun	MSc.	Applied Statistics	Lecturer
150	Adane Tadesse Dado	M.Sc.	Laser physics	Lecturer
151	Balew Adane Mune	M.Sc.	Solid state physics	Assistance professor
152	Banitayehu Aderaw Kebede	M.Sc.	Solid state physics	Lecturer
153	Basazine Tefera Amogne	M.Sc.	Electronics	Lecturer
154	Debirie Ayalew Mersha	M.Sc.	Space physics	Assistance professor
155	Dires Endalamaw Ayele	M.Sc.	Astrophysics	Lecturer
156	Gebiru Tadesse Zerihune	PhD.	Solid state physics	Assistant professor
157	Gizachew Zihone Cherie	M.Sc.	Nuclear physics	Lecturer
158	Haymanot Belay Geremew	M.Sc.	Quantum physics	Lecturer
159	Limatu Amare Kasie	M.Sc.	Geology	Lecturer
160	Meseret Adane Tegibaru	M.Sc.	Statistical physics	Lecturer
161	Mequanent Biazen Yihunie	M.Sc.	Geophysics	Lecturer
162	MigbarWondieBirhan	M.Sc.	Atmospheric physics	Lecturer
163	MuluKindieBirhanie	M.Sc.	Material science	Lecturer
164	MuhammedMuhedinHussen	M.Sc.	Quantum physics	Lecturer
165	SenamawMequanentZege ye	M.Sc.	Quantum physics	Lecturer
166	Tesfaye Mamuye Mulatu	PhD.	Solid state physics	Assistant professor
167	Tadele Nuru Gemil	M.Sc.	Statistical physics	Lecturer
168	Tadesse Tenaw Kassa	M.Sc.	Solid state physics	Lecturer
169	Wasihun Ayenew Alamneh	M.Sc.	Space physics	Lecturer

170	Yekitwork AbebeTemitimie	B.Sc.	Physics	Assistant Lecturer
171	Yesigat Enawugaw Alemu	M.Sc.	Nuclear physics	Lecturer
172	Yosef Abebe Asratie	PhD.	Statistical physics	Assistant professor
173	Yibekal Kassa Hayilu	M.Sc.	Statistical physics	Lecturer
174	Yihunie Hibistie Asres	PhD.	Nuclear physics	Assistant professor
175	Abebech Diniku	BSc	Biotechnology	GA-II
176	Adebabay Tazeb	MSc	Biotechnology	Lecturer
177	Amit Kumar	PhD	Industrial Biotechnology	Assistant professor
178	Balew Getie	BSc	Biotechnology	Assistant lecturer
179	Birhan Aynalem	MSc	Applied Microbiology	Lecturer
180	BirhanuTadele	BSc	Biotechnology	Assistant lecturer
181	Nakachew Minuye	MSc	Animal Biotechnology	Assistant professor
182	Rahel Gebeyehu	MSc	Applied Microbiology	Lecturer
183	Sindu Zegeye	DVM, MSc	Molecular Biology	Lecturer
184	Tadesse Ayele	BSC	Biotechnology	Assistant lecturer
185	YigremAlemu	BSc	Biotechnology	Assistant lecturer
186	Yilkal Bezie	MSc	Plant Biotechnology	Assistant professor
187	Yordanos Sewalem	MSc	Applied Microbiology	Lecturer

Appendix II: Administrative Staff Profile

No	Name of Admin Staff	Qualification	Specialization, if any	Remark
1	Endawoke Addis	BA	EDPM	
2	Mastewal Sinshaw	BA	Accounting	
3	Tiru Fentahun	BA	Management	
4	Tena Worku	BA	Management	
5	Hibreteseb Worku	BA	Management	
6	Birhan Amsalu	BA	Management	
7	Agrie Fentahun	BA	Management	
8	Bitewush Bizuayehu	BA	Management	
9	Misrak Asmare	BA	Management	
10	Ziyin Asmare	BA	Management	
11	Yibeltal Darcha	BA	Accounting	
12	Mastewal Temesgen	BA	Management	

13	Yeshalem Molalign	Diploma	-
14	Agerie Fentaw	Diploma	-
15	Medhanit Wale	Diploma	-
16	Habitamu Tewabe	Diploma	-
17	Nitsuh Nurie	Diploma	-
18	Anchinalu Gashaw	Diploma	-
19	Tsedewoin Abebe	Diploma	-
20	Gebre Mogninet	-	-
21	Mulusew Bantie	-	-

Appendix III: Laboratory Technical Assistants (profile)

No	Name of Technical Lab Assistant	Qualification	Specialization if any	Rank
1	Asrat Tadel	BSc	Chemistry	Technical Assistant
2	Biniaym Zewdu	BSc	Chemistry	Technical Assistant
3	Biyadgalem Endaweke	BSc	Chemistry	Technical Assistant
4	Biyadglgn Ayalneh	BSc	Chemistry	Technical Assistant
5	Elsabeth Atnafu	MSc	Analytical Chemistry	Chief Technical Assistant I

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6	Gefiyahu Tamiru	BSc	Chemistr	Technical Assistant
7	Abaynesh Alemineh Zerihun	BSc	Physics	Chief I Technical Assistant
8	Abiot Dagne Ayele	BSc	IT	Senior Technical Assistant
9	Agumasie Ayenew Addis	BSc	Physics	Senior Technical Assistant
10	Hailestion Mandie Messele	BSc	Physics	Senior Technical Assistant
11	KelebieTamiruWorkie	MSc	Solid state physics	Chief I Technical Assistant
12	Teferie Minbyew Mkonene	BSc	Physics	Senior Technical Assistant
13	Wubliker Abebaw Mequriaw	BSc	Physics	Senior Technical Assistant
14	Mintwab Mihrtie	BSc	Biology	Chief Technical Assistant I
15	Yihun Molla	BSc	Biology	Senior Technical Assistant
16	Yitayih Dagne	BSc	Biology	Technical Assistant
17	Tasacehw Endesew	BSc	Biology	Technical Assistant
18	Agumas Lemlemu	BSc	Biology	Technical Assistant
19	Abie Workie	BSc	Biotechnology	Technical Assistant
20	Workneh Adamu	BSc	Biotechnology	Technical Assistant
21	Fetene Getnet	BSc	-	-
22	Zelalem Adugna	Diploma	IT	-
23	Friew Amare	MSc	Human Nutrition	Chief Technical Assistant II
24	Dejene Bizuneh	BSc	BSc in Sports Science	Chief Technical Assistant I
25	Hana Amera	BSc	BSc in Sports Science	Technical Assistant II
26	Tigist Asrat	BSc	BSc in Sports Science	Technical Assistant II