	Activity No											
GIF AA	Activity No COMPONENT	Learning Excellence										
	SUB-COMPONENT	Component 1: Stre Activity: 1.1 Implementation of Master programs		Activity 1.3 Development and implementation of short training	SOM SOM	Activity 1.4 Development and continuous update of teaching materials		Activity 1.5 Acquisition of convenient teaching demonstration kits	Activity 1.6 Library upgrade, acquisition of relevant ORG literature	Activity 1.7 Acquisition of adequate computing hardware and educational software licences		Activity 1.8 Development and implementation of an e-learning platform
H 100 (18) (100 (100 (100 (100 (100 (100 (100 (10	ACTIVITIES	Component 1: Streythening Africa Centers of Excellence Activity; 1.1. Release of already implemented Mys (in 17 Petroleum Englements of Petroleum Englements (MPE) and Msc. (MHPE) (MHPE)	Development of new curricula (MSc in Safety and Environmental Engineering (MSEE), MSc in Petroleum Geology (MPG), and MSc in Oil and Gas Economics and Management (MOGEM))	Conception and design of short training courses	Preparation (teaching materials, human resources, publicity, selection and admission) and delivery (remuneration of facilitators)	and update of teaching all subjects of the MSc ently being implemented	Posting developed and edited materials in sharepoint	Needs assessment, procurement and acquisition of teaching demonstration lets	Developing list, procurement, acquisition, reception and organising new relevant literature	Acquisition of Hardware	Acquisition of Educational Software licences, installation, and training	IT staff works on producing the specs for the hard and software needed, procurement is developed and strategies for training are considered
	OBJECTIVE	ce To Strengthen capacity to provide relevant quality training in key areas of oil & gas at MSc level.		To give professionals from O&G companies and other institutions opportunities to have a chance to gain more knowledge in a topic of interest for the field.		To qualitatively improve the teaching and learning environment		To improve the visual and hands- on exposure to practical demonstrative activities in order to enhance the quality of the teaching and learning experience	To equip the library with relevant OSG reference books in order to enhance the teaching, learning and research experience	To increase the hardware and software capability to support the educational structure (management,teading and research)		To develop and implement a multi-purpose e-learning platform
	JUSTIFICATION	There is a need to detect and eliminate gaps in the current curricula being implemented, keeping them aligned to current and future needs of the O&G professional market in the country and in the receive.	Safety, environment, and geology of Petroleum are other important technological disciplines needed to adress the current and future demand for professionals in the D&G inclustry.		A good planning and preparation are a key ingredient to a successful implementation of the short training course	Teaching materials well structured to all subjects are essential to ensure a qualitative teaching/learning environment	This materials should be made available to all interested parties (students, professors and researchers) in a dedicated academic electronic platform	-		2 5 5 8 E 5		The availability of an online alternative for teaching and research will enhance the academic environment quality.
	оитрит	2 MSc (NPE and MHPE) fully approved Master programs are implemented. Need for review is evaluated.	MSEEPI, MPG, and MOGEM curricula developed and ready to undergo the approval steps.	1 short training course developed to be delivered in 2017	At least 20 professionals are trained in a specific O&G relevant topic.	All MSc programmes being implemented have a complete and comprehensive set of teaching materials.	Teaching and learning materials are posted and available to all students, professors, and researchers in sharepoint.	2 subjects of each MSc program (MPE, MHPE) have at least 1 demo-kit for practical activaties in class in 2017	5 courses of each of the MSc programmes being implemented (MPE and MMPE) have at least 1 reference book and at least 10 units of each little	Expected hardware acquisitions in 2017: 3 desktops, 2 laptops, 2 network scanner/printers.	At least 2 educational relevant softwares Faculty, researchers and students are trained and able to use the extensional configurations.	Procurement on expected hardware and software acquisitions: 1 server, 1 licence for educational e- learning platform. IT technician trained as
ESTIMATED	BUDGET (\$)	\$300.00	\$4,700.00	\$6,000.00	\$9,000.00	\$8,400.00	\$1,600.00	\$10,000.00	\$10,000.00	\$21,000.00 CS-OGET	\$9,000.00	\$5,000.00
	RESPONSIBLE UNIT	\$300.00 CS-OGET + MPE and MHPE Coordinators	\$4,700.00 CS-OGET + Onemical Engineering Department + Geology Department + Faculty of Economics + MTNU + TuDelft	\$6,000.00 CS-OGET + Umak + NTNU + TuDelft	\$9,000.00 CS-OGET + Uniturio + ENPCT	\$8,400.00 CS-OGET + MPE and MHPE Coordinators + NTNU + TUDelft	\$1,600,00 CS-OGET + MPE and MHPE Coordinators	\$10,000,00 CS-OGET + MPE and MHPE Coordinators	\$10,000.00 CS-OGET + MPE and MHPE Coordinators	CS-OGET	\$9,000.00 CS-OGET + MPE and MHPE Coordinators	
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2018	Septe	×	×	×	x	×	×	×		*	×	*
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-11	Decen	74	×	74	×	×	*	*	×	*	*	*



		3 Quality Assurance						<u> </u>	Research Excellence
Activity 3.3 Monitoring, evaluation, verification and academic audit	Activity 3.2 Arranging for external examination of MSc and PhD theses	Activity 3.1 Arranging for national and international accreditation of programs	Activity 2.6 Procurement, acquisition, installatio n of relevant lab furniture, equipment and consumables	Activity 2.5 Subscription of O&G scientific magazines and journals	Petroleum Engineers	Activity 2.4 Secure membership	Activity 2.3 Enolment Participation in preparation national, regional and presented conferences	Activity 2.2 Organizing research seminars	Building effective research teams and establishement of interdisciplinary ONG research topics
Internal and external evaluation and academic audit (payment of needed advisory consultancy and auditing services)	Design of na external examiner scheme, Advertisement and recruiting external examiners; implementation of the external examiner scheme (payment of remunerations)	Sabishment of an accreditation committee; Pluming the national and international accreditation routes; working toward national accreditation criteria (expenses related to any good or services required to adhere standards); requiring accreditation by relevant national authority (payment of the properties of the properties of the properties of the pro-	Online procurement of lab furniture, equipment and consumables; declared on items to be acquired based on a prortaining list; acquisition; installation and training	Payment of annual subscription to a rebraint scientific purnal	Support to the SPE Student Chapter (contribution to the payment of some functional activities)	Payment of subscription of SPE	Errolment in 2018 conferences, preparation of materials to be presented	Planning, preparation and implementation of a research sominar: conference room, logistics, banner, rollups, publicity, documentation (printing, copies)	teams, discussion on stablishment of research topics relevant to the O&G areas:
To create an academic auditing scheme to ensure a qualitative academic performance	To arrange for na external examination scheme to take over to the impelemented MSc programmes	To seek for national and international accreditation of the MSc programmes	To have well equipped laboratories in order to enhance the capacility for practical teaching/learning activities and research	To subscribe a reputable Journal and Scientific majazines provider to create a better scientific environment.		To subscribe SPE and benefit from their services and offers	Resourchers from the Centre and key audemic partners to puricipate in national, regional and international O&G conferences	To expose the students and researchers to presentation and discussion environment	and topics environment will be stabilished and conditions will be created produce sound research to produce sound research teams will effective research teams will be estabilished topics will be estabilished.
Systematic monitoring and assessment of the academic perforance will guarantee will guarantee and mantain the functional quality of all elements	MSc Thesis are externally examined and that fact contributes towards a better reputation of the programs	Accredited programs guarantee a good reputation for the institution and graduates	Laboratoria living experience will enhance the practical skills of students and consolicate their theoretical badgingund. At some time, researchers will have more ground to carry experiences which will be extremely valuable to their scientific work.	Access to convenient O&G scientific magazines and journal scientific magazines and journal will enhance the quality of the research environment and allow Professors, Resourches and Sudents to utilise those resources to produce scientific work based on updated state of- art troowledge.	global network of engineers, researchers, and specialists in the O&G field	Professors, students, and researchers benefit from the SPE	The exposer of researches from the Centre and key audoric partners to presentations and decassors in reasons, repland and international Osic conferences will enhance the capability and enhance the quality of their work	The research environment is improved by exposing researchers improved by exposing researchers and students to presentation and discussion of their scientific work	environment will be stablished and conditions will be created to produce sound research results Effective research teams will be built and interdisciplinary O&G topics will be established
Academic activity will be systematically scrutinised with the aim of providing guidince for a permanent improvement of all academic processes and mechanisms (teaching and research)	External examinations is warranted to at least 50% of all thesis defendants		contracts are established to the acquisation of: 2 process units for learing of catalysis, including at the meeded periferals for analytical setup (GC). Equipment for fluid and rock properties determination (permeability, saturation, porsibly, cortact anyle) - Furthure for 2 laboratones (central and wall beneties,	Subscription to Elsivier magazines and Journals is made (Engineering, Energy and Oil and Gas)	SPE Student chapter acommodates all students of the MHPE (currently only students of the MPE belong to this chapter.	At least 10 SPE subscriptions are made	Conferences to be held on 2018 are identified: at least 1 national and returned and 1 international conference. I regional and 1 international conference (at least 3 papers and 3 potents), to the conference (at least 3 papers in the conference in	A set of 2 research seminars are organized and delivered by researchers and students to present and discuss topics of interest in production and processing of Hydrocarbons	engaged in research activities based on the topics identified, and at least 4 papers are published
\$4,500.00	\$9,500.00	\$5,000.00	\$300,000.00	\$30,000,00	\$1,000.00	\$3,000.00	\$9,000.00	\$3,500.00	
\$4,500.00 (S-OGET + Coordinators of MPE and MHPE + Umak + NTNU + Tubett	\$9,500.00 (CS-OGET + Coordinators of MPE and MHPE + Unnak + NTNU + TUDeft	\$5,000.00 (S-OSE) + Coordinators of MPE and MHPE	\$300,000.00 CX-OGE + Coordinators of MPE and MHPE	\$30,000.00 CS-OSET + Coordinators of MPE and MIPE	\$1,000.00 CS-OGET + Coordinators of MPE and MHPE	\$3,000.00 CS-OGET + Uniturio + ENPCT	99,000.00 (C-OCEF + UNILUTO + ENECT + UNINK + KTINU + TUDeff.	\$3,500.00 CS-OGET + NPE and MHPE Coordinators + Uniturio + ENPCT	MHPE Coordinators + Uniturio + ENPCT + Unak + NTNU + TUDelft
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Stabiliahment of a supervision, peer review and approval scheme for research being continuously (remuneration of selected supervisions) supervised, publications approved and peer reviewed



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		Activities				Attracting Academic Staff Academic Staff and Students from the Region			4 Equity Dimensions
Activity 6.3 Internship and field visits	Activity 6.2 Professors, researchers and students exchange	Activity 6.1 National capacity building	Activity 5.4 Establishment of a Scholarship program for MSc and PhD to attract and incentivate regional young talented southers:	Activity 5.3 Offering bridge courses	Activity 5.2 Establishing special support services for non-national students	Activity 5.1 Building a strong advertisement program to attract regional students and staff	Activity 4.3 Establishment of a Scholarship program for MSc and PhD to incentivate national disadvantaged young tallented students	Activity 4.2 Engagement of people with disabilities and marginalised rural communities	Activity 4.1 Gender and academic career awareness creation initiative for national and regional representativiness
Defination of needs/opportunities for internships and field veias; contact to relevant institutions; implementation of the internship and field visits programs (travel and related costs)	Definition of needs/opportunities for exchange; Selection of potential beneficiaries; implementation of the exchange program (travel and related costs)	Meets sessement, audemic and publicy/involer restudional agreements for implementation of actions towards capacity building	Stablishment and implementation of a scholarship scheme for regional students (abnertisement and award of selected types of scholarships)	Bridge programs are stabilished and implemented (remuneration of lecturers involved and administrative costs)	Language courses (remuneration for facilitators); participation in local social and cultural events (logistics and related costs); organisation of a dedicated help desk.	Design and implementation of advertisement campaligning strategy to attract regional students and staff (production and dissemination of advertising material)	Skalistiment and implementation of a scholarship scheme for national students (advertisement and award of selected types of scholarships)	Edsablishment and implementation of a strategy for engagement of people with disabilities and from marginalized communities (logistics and travel to secondary and high schools in selected ural areas; payment of local radio services)	Discussions and decision about the gender and academic awareness scheme and strategies; Implementation of the gender and academic awareness scheme (logistics for high school visits, publicity means, travel to selected provinces)
To stablish a internship and field visit squeme	Stablishement and implementation of a student, professor and researchers exchange	To stablish and implement na nafor stabelty fusion of stately na order to share the browledge produced at the Center	To stablish and implement a regional scholarship scheme to atract and benefit young talented students	To stablish and implement a bridge course squeme to support regional students in need to overcome specific gaps broaududes	To stablish and implement special support services for non- national students	To have regional students enrolled in the MSc programmes and Regional staff being actively envolved in the Centre activities	To stablish and implement a national scholarship scheme to atract and benefit young talented students	To implement a strategy to engage people with disabilities and coming from marginalised rural areas	To design and implement a Cender and academic coneer national and regional safeary for aventrees creation natives gender O&G scademic awareness implemented at national and female adders (see level with increase female adders (population in MSC programmes
Exposure to a live industrial environment enhances the teaching and learning experience	Improved performance in teaching, research and learning.	Knowledge produced at the Centre shall be shared among other national relevant matutions, benefiting, in that way, national facility, researchess and other experts in oil and gas.	Regional young talented students will be attracted and benefit from scholarships provided by the Centre , with special regard for talented young women, disable and marginalised communities people	Regional students without a specific background in O&G will have a need for support to overcome their knowledge gaps through heidon courses.	Regional students and staff will need support to overcome some barriers to social insertion (language) and for other specific needs	Regionalisation of the Center is one of the most important objectives of the Center,	National young talented students will be attracted and benefit from scholarships provided by the Centre , with special regard for talented young women, disable and marginalised communities people	Disable and marginalised communities people should have equal opportunity to join the CS- OGET training programmes.	Gender and academic career awareness creation intiative implemented at national and regional level will increase the female stident population in the MSc programmes
5 internships and 2 field visits will have been completed	2 faculty, 1 researchers and 1 student will have visited and worked in a partner or non-partner institution.	At least 1 agreement with an optional academic or relevant public institution will be signed reparting the training of their staff, internal national teachers exchange or other capacity building achily related to Mci. Above 3-5 facility, researchers and administrative personnel from academic and other relevant national institutions will have attended short training accountments.	4 full MS: scholarships are provided (trave), enrolment fee, tuition fees, living expenses)	Regional students benefit of bridge courses to overcome difficulties and facilitate their integration in the respective enoncome	Accommodation and language course are available for regional students	Regional students are 10% of the student population in 2017. Staff start to become interested and dook for information. A regional staff database starts to be developed	3 partial MSc orholarships are provided (errolment and monthly fees); 2 full MSc Scholarships are provided (errolment, monthly fees, accomodation and living allowance)	At least 10% of the student population come from margnatised communities or suffer from any form of disability	The percentage of female students in the O&G programs will jump from the typical 10% of the overall student population to about 20%
\$10,000.00 CS-OGET + Coordinators of MFE and MHPE	\$37,500.00 CS-OGET + Coordinators of MPE and MHPE + Unak + NTNU + TUDeft	\$5,000.00 (S-OGET	\$34,000.00 (CS-OGET + Umak	\$10,000.00 CS-OGET + Coordinators of MPE and MH9E	\$8,000.00 (CS-OGET + Uniturb + ENPCT	\$6,000.00 (CS-OGET + Coordnator of MPE and MHPE + Umak	\$15,000.00 (S-0.0EF+ Coordinators of MPE and MIMPE + Uniturio + ENECT	\$3,750.00 (CS-OGET + Coordinators of MPE and MHPE + Uniturio + EMPCT	\$6,750.00 (CS-OCET + Coordinates of PME and PMEP + Undurio + EMPCT + Unak
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Activity 6.5 Research engagement (R&D)	supervision, research and publications
Activity 6.5 (R&D needs assessment (logistics for 10 engage the Center in R&D Investment en all pailty of Streightened capacity and Research meeting); Interaction with stakeholders aiming to meet industry needs in research programs will be met to quality of research for imputs and commitment (viets and specific challenges statisty the specific needs of the Diversification of research in Challenge and specific challenges industry at all levels in Oil and Gas field.	supervision, research supervision, research and publications supervision, research quality and and publications supervision and publication supervision and publication supervision and country to be publication supervision and country to supervision and country to supervision and publications and supervisions and supe
To engage the Center in R&D ariting to meet industry needs in specific challenges	supervisor, resenth and publication squeme
Improved number and quality of research programs will be met to satisfy the specific needs of the industry at all levels	inprove research quality and increase number of publications.
Improved number and quality of Streoghened capacity and research programs will be met to quality of research, satisfy the specific needs of the Uneversification of research topics industry at all levels in Oil and Gas field.	improve research quality and corelar faculty, researchers and corepts from partners and depths from partners and depths from restrictions. Definition of 20 research topics for the MEP and MHPE to be inhanded in 2018. At least 4 papers are published
\$2,500.00 CS-OGET + Coordinators of MPE and MHPE + Unitumb + EMPCT	of MPE and MIPPE + Uniture + EMPCT + Uniture + TRIU + TUDelft
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	9 Monitoring and Evaluation				8 Mangement and agement Governance					7 Infrastruture Development
Total	Activity 9.2 Internal and External Auditing	Activity 8.4 Periodic perfomance reviews	Activity 8.3 Administrative Costs	Activity 8.2 Participation in national regional, and international coordenation and benchmarking activities and events	Activity 8.1 Recruit staff and faculty	Activity 7.2 Acquisition of Acquisition of transport means, fuel and repairs			Accomodate te Center)	Activity 7.1 Civil works (Construction of a
	Internal and external audit	Establishment of a performance review system; Implementation of the periodic performance review (consulting services)	Expenses for administrative functionalities: furniture, administrative materials, equipments and tools, consumables, communication, miscellaneous	Activity 8.2 (Sec Investings (local travel for selected 1 to participate in addonal, factority and international values) and international values and events (program for needings). (Parel for CL and coordination and benchmittenational QL and related coordinational QL and related coordinational VB Forum, Travel to saltonal, regional benchmarking and international partner institutions for benchmarking and signature of looks.)	(TotRs; Beculiment of salf and focality (TotRs; Seculiment of salf and focality (TotRs) of more specialised (positions such as administrator, accountant and executive secretary)	Acquisition of a 4WD vehicle; fuel and maintenance	Supervision and Inspection	Construction	Structural Design	Arquitectoric Design
	To stablish and implement internal and external audit schemes	To establish and implement a perfomance review system	To have appropriate means to enable the professional and qualitative performance of all administrative functionalities	To participate in national, regional, and international coordenation and benchmarking activities and events	To enhance Asclemic and administrations performance by recruiting salled and competent suff to key administrative and academic positions	To provide the Center with a vehicle	Na independent company supervises and inspects the construction activities	The actual building is constructed	Structural drawings are produced, speciality designs are produced	Arquitectoric drawings are produced, cost estimations,
	There is a need to get audited and approved all Center activities and Financial Reports	This activity entails a semestral review of the academic and administrative functions by the Centre leadership members, followed by an annual Centre Council meeting for presentation of the findings and necetiving poster for a hoteline absorbing product for a semi-	The University is running under The administrat severe financial constraints and runs with qualific teh eonter needs to use part of its professionalism funds to run most of the administrative functions.	In this activity, efforts will be made to the kelders of the Centre to participate in all ACE II coordination events. The Centre will also be responsible for the logistic sepects of the NOC meetings, including the travel of members living in locations different of that where the event is held. NoU's will be signed between the Centre and all key partners, and travels are expected to allow a more ethnate discussion and stave of tokes regarding the real and the	Aware of the lack of expertise for OSG research, the Contra will recruit one Principal Investigator who is going to help in with Sping to Investigate a sound research environment in the Contra and will help in creating a dynamic relevanting perincipance. In Year L. Tud's for this position will be developed and shartnersment will share they quarter 4 of 2017. Auditionally, although efforch will be made to recruit Rays (LEM), the Contra searce of the immedid pool of skilled people to fulfill positions such as	The Center needs to have wehicles for various purposes starting with the Director transportation in 2017 and progressing in 2018 to another to multipurpose uses (courier, transportation of small packages, teat fransportation afr.)				renovate an adequate building where its activities will take over
	Statement of Approval of the CS- OGET Reports	Semestral review is made on the progress of the program prior to the planning of the following stage	The administration of the Center runs with quality and professionalism	Jancipation of the Laoders is all ACE II technical advisors in meetings, Contre taxes responsibility for logistic aspects of NCC bismost meetings. 5 Mol are agreed by September 2017 with key partners (EMPCT, Unabluro, Limak, Tur-Defft and NTMU).	One seines Scientist recruited as principal investigator, to serior administrative officers recruited, one as Administrative as senior accountant; one secutive secretary is recruited	1 vehicle acquired and maintenance and fuel warranted		auxiliary facilities	deputy director working rooms, 1 classroom, 4 PhD working rooms, 1 computer room and	a rooms for laboratories, one meeting room, 4 working offices for the faculty, 2 administrative working rooms, 2 director and
\$1,354,200,00	\$15,000.00 CS-OGET	\$3,000.0	\$40,000.00 CS-OGET	\$50,000.00	\$11,700.00 G-OGE	\$60,000.00 CS-OGET	\$20,000.00	\$472,500.00	\$50,000.00	\$20,000.00 G-065
	CS-OGET	\$3,000.00 (S-OSET) Coordinators of MPE and MHPE	CS-OGET	\$90,000,00 (\$2 OGET + Uniture) + RPPCTT	C5-OCET	CS-OGET				Cogn
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