

College of Science and Technology



UNIVERSITY OF RWANDA AFRICAN CENTRE OF EXCELLENCE IN ITERNET OF THINGS (ACE-IoT)

ANNUAL WORK PLAN FOR THE FISCAL YEAR 2021/2022

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Debath International Accessedations of the Contract that the programs of the International Accessedation of the International the programs of the International Standards: Trans high freed professionals in the field of 15 at MSE bend of 167 through Matters Programmes International standards December rational of 167 through Matters Programmes International standards December rational of 167 through Matters Programmes International standards December rational of 167 through Matters Programmes International standards December rational of 167 through Matters Programmes International standards December rational of 167 through Matters Programmes International standards December rational of 167 through Matters Programmes International standards December rational and programmes December rational programmes December rational and programmes December ra	y DLIs		2	2	2	2	2	2
Elevare that the programs of the Braure that the programs of the source that the programs of the source that the programs of the source of the defect of the center meet its informationally according to the center meet its informationally according to the complex of the informational and the source of the complex of the	Type of expenditure		Operating cost	Operating cost	Operating cost	Operating cost	Operating cost	Capital expenditure
the internationally accredited programs To increase the quality of the internationally accredited programs and the center is internationally accredited and programs and papers moderated, 34 control programs supervisor payment, tickets for spiritude programs and papers moderated, 34 control programs spiritude and new students admired, at least of and new students admired, at least of and new students admired, at least of the payment of the payment and payment program reviewed pro	ACTIVITIES		Obtain International Accreditation of the new curricula of masters and PhD programs	Train high level professionals in the field of IoT through Masters Programmes	Train high level professionals and academics in the field of IoT through PhD Programmes	Train professionals in IoT through Short Courses/Training Programmes	Review of programs for enhacement	Setting up the two specialised laboratories & equipments for prototyping the applied research results of PhD students
To increase the quality of the programs and the center is internationally recognized Train students in 10T field for solving problems using 10T technology, to build the afficient scapacity in 10T Train students in 10T field for solving problems using 10T technology, to build the afficient scapacity in 10T Train students for capacity For effective implementation Postgraduate, accountant, administrator To deliver high quality postgraduate, accountant, administrator Por effective implementation Postgraduate, accountant, administrator South Head PID. Center Director, Lab Engriever, Research assistant	OBJECTIVE		Ensure that the programs offered by the center meet the international standards	To increase the number national and regional students trained in the field of IoT at MSc level	To increase the number of PhD students trained in IoT field and enhance the capacity building of africans	To increase the number national and regional professionals trained in IoT through Short Courses/Training	To improve the quality of taught programs	To provide a favourable learning and research platform
34,000 Head PhD and Center Director Center Director Center Director Center Director Center Director 114,672 Head of MSc and admin for postgraduate admin for postgraduate S,000 Head of MSc, Head of MSc, admin for postgraduate, accountant, accountant, accountant, accountant, accountant, accountant, acstract accountant, acco	OUTPUT		2 Masters and 2 PhD program internationally accredited		I students continues, min 4 inew students admitted, at least one DC meeting conducted with min 5 external DC members and supervisor payment		Two master program reviewed	WISeNet and ECS laboratories established with IoT components, network equipments like swiches,LAN cables, projectors, displays, security systems, video conferencing set, software licenses; trainings, custom lab storage, facilities.
Head PhD and Center Director Center Director Head of MSc and admin for postgraduate Head of Research and PhD program, admin for postgraduate Head of MSc, Head PhD and short course training coordinator Head Masters, admin for postgraduate, accountant, administrator Head PhD, Center Director, Lab Engineer, Research assistant	JUSTIFICATION		To increase the quality of the programs and the center is internationally recognized	Train students in IoT field for solving problems using JoT technology, to build the africans capacity in IoT	Train students in IoT field for solving problems using IoT technology, to build the africans capacity in IoT	Train students for capacity building and efficient service delivery		For effective implementation of research and learning activities
Head PhD and Center Director Head of MSc and admin for postgraduate Head of Research and PhD program, admin for postgraduate Head of MSc, Head PhD and short course training coordinator Head Masters, admin for postgraduate, accountant, account	Estimated		34,000	372,636	114,672	5,000	3,000	90,000
	budget RESPONSIBLE							
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	Capital expenditure	works	works	Operating cost	Operating cost	Capital expenditure	Operating cost	Operating cost	Operating cost		Capital expenditure
9.	Equiping the video conference with furnitures sound systems and other equipments	Sound proof installation in smart classrooms and video conference room: insulation boards, sound absorbing panels, Acoustic doors	Civil Works: Office partitioning, Provide new splash apron in concrete, remove external wall plaster, roof and gutter maintenance works, change all plumbing and electrical fittings, renovation of septic tank, renovation of pathways, water storage facilities, Transformation of follets facilities	Organize and conduct M4D 2021 7th international conference in Partnership with Swedish University	Organize and conduct an open day during the induction week	Establishing an Artificial intelligence lab in the center	Increase IoT applied research output through International conference Presentations and Journal Publications by staff and students	Prepare and conduct a community awareness workshop about foll innovative technologies	Increase IoT applied research through Internships for Masters and faculty	Total for Learning excellence	Setting up smart video conference room with Additional equipments
	To equip the video conference room with the furniture	To have online meetings and smart teaching conducted with enhanced equipments	Refurblishement of the AVU blocks to accommodate, labs, video conference rooms and offices for the center	Transforming the society with mobile communication techniogy and innovation	To introduce center students to the teaching environment of ACE-IoT and CST	handle Al specialised research laboratories and support Applied Research by students and staff	To enhance ACEIoT standing at international level	Share knowledgge and skills To develop industry, government and academic collaboration	To develop skills of MSc, PhD and staff of the center	p excellence	to provide a favourable meeting environment between students and supervisors and other meetins
	Video conference equiped with furniture	Video conference and smart class room established and operational	AVU Building refurbished	M4D 2021 7th International conference on mobile communication Technology for Development	open day during the induction week (1)	Support in the establishment of J AI lab at the center for support in grant writing	min 15 publications supported	Community awareness about innovative technologies	Student experience with industry		one video conference room to be established
hade	To allow online meetings between students and supervisors and other meetings with partners	To allow online meetings between students and supervisors and other meetings with partners	To modemise the premises of the Center for its visibility	Providing a platform for academics in IoT and practionner	Marketing of the center and Induction of new students	To allow students conduct lab experiments wirtual to test their modules	Desseninate results, network and enhancing visibility	The marketing and branding of the ACEIoT Center.	For research capacity building of MSc, PhD and staff		For effective remote supervision, teaching and virtual meetings
	15,000	30,000	80,000	20,000	500	25,000	15,000	3,000	500	636,308	17,000
	Head of Research and PhD program, procurement, head of master, IT officer, Director	Head of Research and PhD program, procurement, head of master, IT officer, Director	Head of Research and PhD program, procurement, head of master, IT officer, Director	Head of Master's studies, administrator for postgraduate	Head of Master's studies, administrator for postgraduate	Head of Research and PhD program, procurement, head of master, IT officer, Director	Head of Research and PhD program	Center Director, admin, communication specialist	Head of Research and PhD program		Head of Research and PhD program, procurement, head of master, IT officer, Director
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-	Management and governance						Regional/Intern ational partnerships and programs	yi Se				
	4.1		3.5	3.4	3.3	3.2	3.1		3.13	3.12	3.11	3.10
	2&3 and 4		2	2	2	2	2		2	20	2	2
	operating cost		Operating cost		Operating cost	Operating cost	Operating cost			works	works	works
Si	Establishment & Running of ACEIoT Office	Total Regional/International partnerships and programs	Joint national Workshop to showcase the progress and achievements of UR-ACEs	Create a forum for knowledge transfer and community outreach	Establish exchange programmes for strengthening the capacity of staffs	Establish a framework for facilitating joint research collaboration with partners and enhanced infrastructure for the center	Advertise and marketing of activities and achievements of the Center	Total for Teaching and Research excellence	Identify potential private companies, institutions for student internship	Gardening and outdoor bench installation: Planting elegant garden species and provision of outdoor facilities with capacity of accommedating 30 students;	Internet installation facilities: Cabling of rooms and offices, servers, access points, UPS, camera	Installation of Protection facilities: Installation of Lighting Arrestor, Surge Arrestor and Ground Resistance;
	Purchase stationnaries and other office related material needed to run thin entertactivites including IT equipments	partnerships and programs	Present the center results and increase its awareness	Facilitation of knowledge transfer and dissemination	To facilitate skills and knowledge sharing	To develop collaborative research framework within partners for support in infrastructure setting up	Advertising all activities and programs of the center	Research excellence	Mobilize and partner with private companies, institutions and organizations to offer internship for center students	To provide good environment for students research	To connect the rooms with Internet and monitors rooms and equipments from theft	To protect the rooms and equipments
(smooth running of the center		One joint conference	Seminars (12), Public talk (2)	10 Exchange programs	MoUs developed, research environment and infrastructure enhanced	all promotional materials development and publishing		10 institutions or industries working in the field of IoT	Good research environment is established,	Labs and rooms are connected to the internet	Block and Equipments protected
base	Suport the center by providing all materials and stationaries that are needed in running activities, some maintenace and refurbishing of center allocated rooms, support audit, procurement, steering meeting logistics		To market the center and present the center output to the community	Fostering collaboration and networking with the community	Promotion of sharing of skills, knowledge and resources among partner institutions	Fostering collaboration and networking in research and teaching	To attract regional, nationa and international partners/stakeholders		The students will be placed in good companies for their intership and get experience with industrie	To have an attractive environment for private students, visitors	Toprovide good Internet connection for enhanced research environment for students and supervisors	To protect the equipments from disaster
	27,000	27,000	5,000		5,000	5,000	12,000	264,000		15,000	35,000	25,000
	administrator, Accountants, procurement officer		Center Leader/Head PhD, Head of Teaching	Center Director,Head PhD and research	Center Director,Head Master studies	Center Director/ CST Principal	Communication and marketing specialist		Head of Master's studies , admin for postgraduate	administrator, Accountants, procurement officer	Head of Research and PhD program, procurement, head of master, IT officer, Director	25,000 Head of Research and PhD program, procurement, head of master, IT officer, Director
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						Sustainable financing						
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	0	0			0	0		2&3 and 4	3 and 4 o	#1	9	9
	operating cost	Operating cost			Consultancy	Operating cost			operating cost	operating cost	operating cost	operating cost
4	Training in Wireless Sensor Networks	Training in embedded systems of selected staff	Identification of staff for training in the priority areas of capacity building	Affliating staff from other schools to the center	Development of the center strategic plans including the Center sustainability plan	Recruit self sponsored students	Total for Management and governance	The monitoring and evaluation of the status of assets of the center	Participation in center activities and preparation of center documents by all center staff	Provide Salaries for non-academic staff /Support staff	8 0	Coordination of regular international Scientific Advisory board meetings
	Strengthen capacity and skills in wireless sensor Network	To strenghen and increase skills in embedded systems programming	To strengthen the capacity building of staff	To increase the number of staff to support in teaching, research and supervisior	to increase income generation for sustainability of the center and show the center projection	Visit private and public institutions for sensibilisation for gensibilisation for possible funding of their employees to study in the center	and governance	to monitor the assets of the center	involving all staff in center activities and maked all documentation available	Pay the montly salary to the support staff	Pay accomodation, airtikets and other related travel cost to the centers leaders	To ensure that IoT training programs meets international standards
2	Increased skils and capacity in Wireless Intelligent sensor Network. Two staff are trained	Increased skills and capacity in embedded systems. Two staff are trained	Increased capacity in the priority area of the center	at least 7 faculty affliated for supporting in teaching, research and supervision	Center strategic plan for the center including the Center sustainability plan	At least 5 private students recruited		Two status report of assets of the center	at least one retreat for self assessments	IT officer,M&E officer,Accountant, Center Administrator, Communication and Marketing specialist, Administrator in charge of pstgraduate, Procurement officer, ACEs coordinator	2 TAM meetings and other WB/IUCEA meetings as invited	at least one advisory board meeting organized in a face to face meeting
Swale	To offer training in paid short courses in Wireless sensor Networks and support teaching staff		Increased capacity in the priority areas of the center for sustainability	To increase the teaching and reserch capacity of the cente	to develop a strategic plan to guide its work and to communicate its vision, mission, values and objectives	For the sustainability of the center after the WB finaning		Reporting on the status of assets	To support the center in its day to day activities and producing the required document on time	To support the center in its day to day activities	Center Leaders need to attend workshhop and meetings whhich are oranized by IUCEA/WB and othher stakeholders	Effectiveness of the IoT training program to meet international standards
	15,000	15,000			20,000		135,258		2,500	88,758	7,000	10,000
	Director	Head of PhD and Director	Head of masters. Director	Head of masters. Director	Procurement officer, M&E	Head PhD, Head Masters, admin, accountant		Center administrator and IT Officer	Accountant, Administrator, M&E officer	Accountant, Administrator	Oenter Leader, Admin, acountant	10,000 Center Director
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DLIs#3: Timely, transparent and institutionally reviewed Financial Management

DLIs#4: Timely and audited Procurement

Prepared by: On the 26th March, 2021

Monitoring and Evaluation officer SIBOMANA Jean Jules

Reviewed and approved by:

Dr Damien Hanyurwimfura Ag.Center Director