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TARMOQ MARKAZI

SPACECOM

New study program in space systems and communications engineering

The Branch Centre for retraining and in-service training of academic staff under TUIT

Prof. Feruza Zakirova
Director of The Branch Center for retraining and in-service training of academic staff under TUIT

Work plan (1)

	Task	Start date	End date
1.1	Develop own plan of activities of the project.	15/11/2019	1/01/2020
1.2.	Review of the current curricula for advanced training courses. Develop questionnaires for analysis of existing curricula/modules for advanced training courses. Conduct surveys of teachers. Analyze the answered surveys. Develop an analytical report on the results of the analysis of existing curricula/disciplines. Make a list of curricula/modules to be upgraded. Develop a schedule for updates of the selected curricula.	15/11/2019	4/02/2020
2.1	Examining the received materials and developing on this basis the own modules.	15/02/2019	31/06/2020
2.2	Course contents design	30/03/2020	01/01/2021
2.3	Developing digital versions-drafts (.doc files) of our methodological recommendations for modules. E-learning materials, lectures, presentations preparation.	01/11/2020	30/07/2021
2.4	Develop criteria for the selection of teachers to participate in trainings planned at EU universities. Casting of participants for training. Plan and carry out actions to prepare the selected candidates to participate in trainings including language training	15/03/2020	31/06/2020
2.5	Retrain teachers	15/11/2020	15/08/2021
2.6	Master Classes in new modules	15/11/2020	15/08/2021
2.7	Pilot teaching	1/09/2021	01/06/2022

Work plan (2)

	Task	Start date	End date
3.1	Development QA Plan including internal / external Quality evaluation/reports according to Plan.	01/02/2020	15/09/2021
3.2	Organization of internal and external quality assessment	15/11/2019	15/11/2022
4.1	Develop a communication plan, dissemination and sustainability of the project.	15/11/2019	15/05/2020
4.2	Coverage of the project activities.	15/11/2018	14/11/2021
4.3	Organize dissemination of leaflets about the project amongst teachers. Dissemination materials	15/11/2019	15/11/2022
4.4	Information conferences	15/11/2019	15/11/2022
4.5	Develop documentation for C-office	15/11/2019	15/11/2022
4.6	Planning exploitation after the project end.	1/09/2022	14/11/2022
4.7	Accredit curricula on national level	1/09/2021	1/09/2022
4.8	Organized of Consult for a C-office	1/09/2021	1/09/2022
5.1	Management of the project including Project management online, project administration and coordination	15/11/2019	14/11/2022
5.2	Coordination meetings	15/11/2019	14/11/2022
5.3	Project reports	15/11/2019	14/11/2022

Work group

No	Name, Surname	Position	Responsibility (WP, tasks according to the work plan)
1	Feruza Zakirova	Director	Manager, administrator, teacher, responsible for WP1, WP3, WP5.
2	Mirjalol Rakhmatullaev	Chief Accountant	Technical staff, responsible for finance and financial reports.
3	Shakhnoza Pozilova	Teacher	Teacher, responsible for WP4.
4	Khaydar Madaminov	Teacher	Teacher, responsible for WP2.

Courses to update

Name of the course to be upgraded	Person/teacher/department/faculty responsible for the course upgrade	What has to be upgraded in the course?	Deadlines
Mobile communication systems	Khaydar Madaminov, Feruza Zakirova	Add a new topic about Satellite communications systems	Syllabus - June 2020
Antennas in Radio Electronic Systems	Khaydar Madaminov, Shakhnoza Pozilova	Add a new topic about Satellite antennas	Syllabus - June 2020

Questionnaires

The working group had conducted a survey of academic staff of the Department of "Technologies of Mobile Communication" of the faculty of "Radio and Mobile Communication" (TUIT) in January, 2020.
There were 13 teachers and 9 masters who participated in this survey.

Some questiosn	Answers
Is the Space Systems and Communications module included in undergraduate / graduate programs ? If so, in which module?	The direction of undergraduate studies is "Telecommunication technologies" (mobile systems), 4th year, module "Satellite communications and applications". Master's specialty "Mobile Applications", 2 year, module "Radio relay and satellite communications"
How many hours are devoted to studying this module? (lecture / workshop / seminar / laboratory)	Undergraduate - 48 hours of lectures, 24 hours of practical training and 24 hours of laboratory work. Master: 48 hours of lectures, 24 hours of practical training and 24 hours of laboratory work.
How equipped is your organization with laboratory equipment or software for the Space Systems and Communications program?	No labs
What foreign literature or online resources do you use?	Scopus, WoS, Library.ru
Your need for continuing education on the subject of "Space Systems"?	It is desirable to include new topics in the modules of the specialty

Criteria for teacher selection for trainings

Criteria №1: Academic degree.

Maximum score – 5 points.

Magister	1 point
PhD	2 points
PhD and Docent	3 points
DSc	4 points
DSc and professor	5 points

Criteria №2: Knowledge of English

Maximum score – 5 points.

Level A2	1 point
Level B1	2 points
Level B2	3 points
Level C1	4 points
Level C2	5 points

Criteria №3: Professional competence area coincides with the subject domain of the project

Maximum score – 20 points.

Depending on taught courses. For each taught course - 1 point.	10 points
Research work related to the project. For each research article (Scopus/WoS) - 1 point.	10 points

Criteria №4: Teaching experience

Maximum score – 20 points.

Less than 3 years	1 point
From 4 years and more	1 point for each year of experience. But no more than 20 points.

Process of teacher's preparation for training:

❑ online English courses.
❑ trainings with the participation of experienced teachers, with skills related to the created of new courses, curricula and syllabus.

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Teacher that will develop new courses

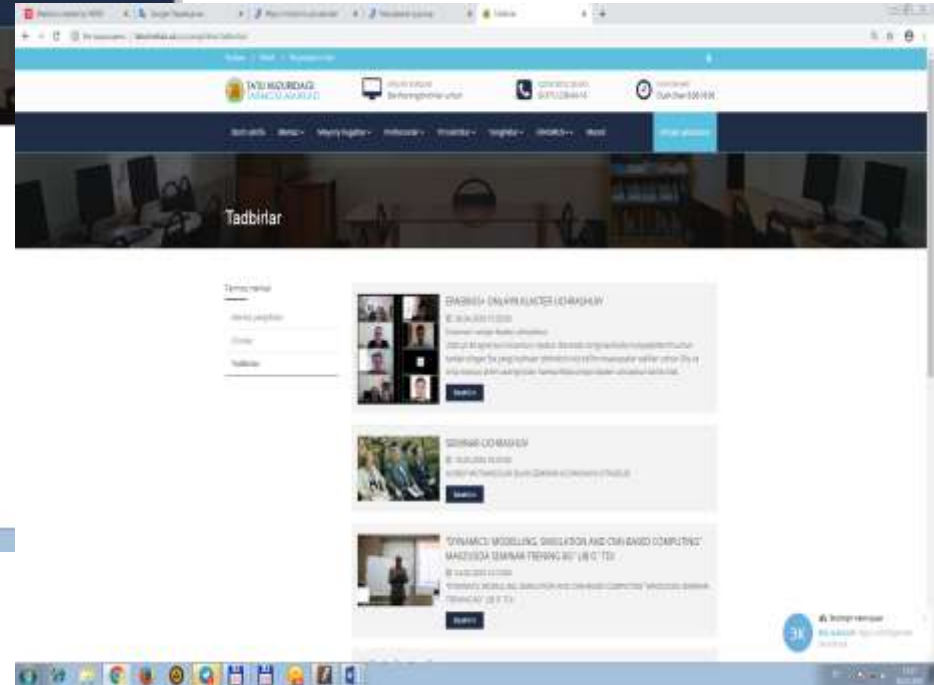| №	Name, SURNAME, email	Position	Skills
1	Feruza Zakirova f.zakirova@tuit.uz zakirovaferuza2013@gmail.com	Director of the Branch Centre for Retraining and Advanced Training of Pedagogical Staff of the Higher Education at Tashkent University of Information Technologies, Uzbekistan. DSc, Professor.	ICT, using ICT in the vocational education, teaching tools, mapping and methodology of curricula development
2	Shakhnoza Pozilova informatikpozilova@gmail.com	Teacher, Department of Information technologies on education, Tashkent University of Information Technologies, Uzbekistan. Ph.	ICT, using ICT in the vocational education, mapping and methodology of curricula development
3	Khaydar Madaminov h.madaminov1978@gmail.com	Teacher, Department of Technology Mobile Communications, Tashkent University of Information Technologies, Uzbekistan.	Global star satellite communication system

Schedule of dissemination events

№	Event	Date
1	Meetings of the project workgroup	Monthly
2	Presentations on the implementation of the project for directors of Branch Centers for retraining and in-service training of academic staff	1 time in half a year
3	Workshop for teachers on the Branch Center	1 time in half a year
4	Web information diffusion	According to conducted events
5	Seminars on the results of teacher training at the EU universities.	July 2019
6	Presentations of modernized curricula for training modules.	October 2020
7	Presentations of teaching materials for modernized training modules.	June 20221
8	Publication as information leaflets and brochures	According to conducted events
9	Publication articles	3 articles in year
10	Participation in coordination meetings.	According to plan

Non-consortium organizations

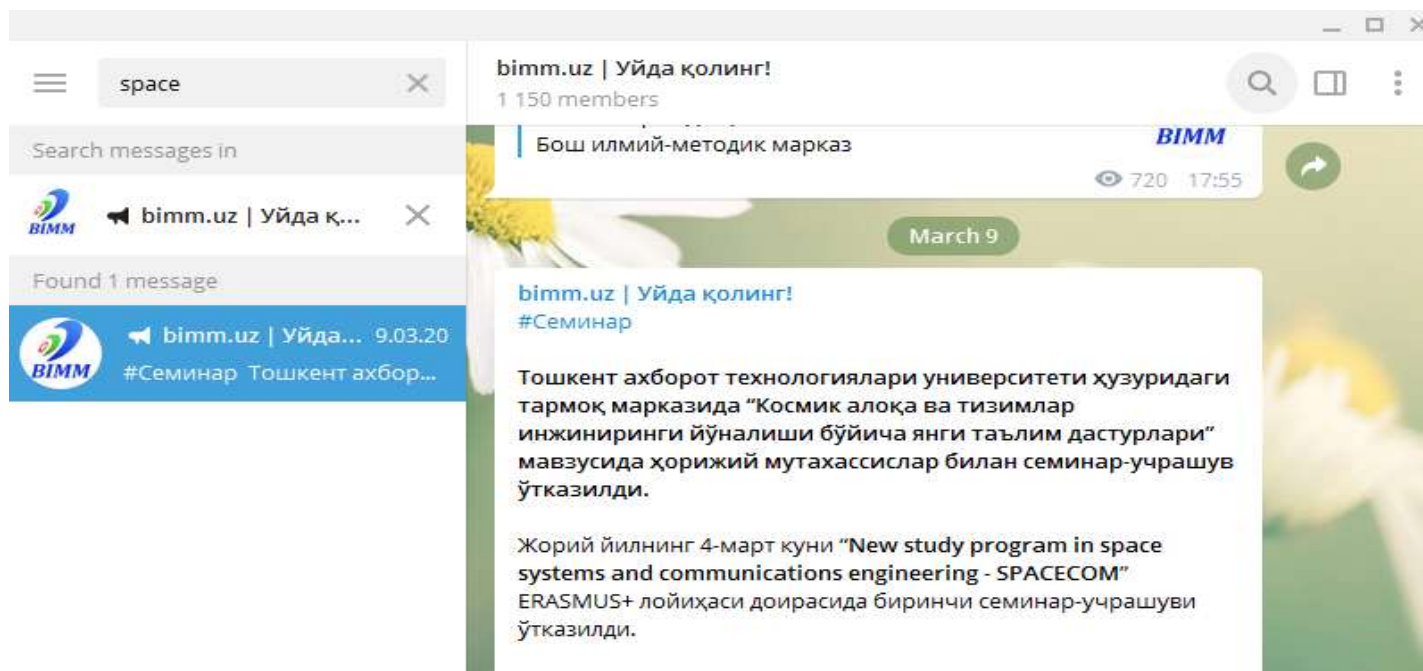| No	Stakeholder
1	Ministry of higher and secondary specialized education of the Republic of Uzbekistan
2	Ministry or development of information technologies and communications of the Republic of Uzbekistan
3.	Ulugh Beg Astronomical Institute (UBAI) of the Uzbek Academy of Sciences
4.	The centre of a radio communication, broadcasting and television the State unitary enterprise - «CRCBT» SUE
5.	Center for Electromagnetic Compatibility
6.	Scientific-Technical Society of Radio Engineering, Electronics and Communications

Implemented dissemination activities (1)

http://tatumarkaz.uz/uz/yangiliklar/e-lonlar/detail.php?ELEMENT_ID=399
http://tatumarkaz.uz/uz/yangiliklar/tadbirlar/detail.php?ELEMENT_ID=364
http://tatumarkaz.uz/uz/yangiliklar/tadbirlar/detail.php?ELEMENT_ID=365
http://tatumarkaz.uz/uz/yangiliklar/tadbirlar/detail.php?ELEMENT_ID=396
http://tatumarkaz.uz/uz/yangiliklar/tadbirlar/detail.php?ELEMENT_ID=400

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Implemented dissemination activities (2)

The telegram canal @вimm.uz.

Implemented dissemination activities (3)

Dissemination meeting was held for directors of the Branch Center for retraining and in-service training of academic staff, representatives of the Head Scientific and Methodological Center and the Ministry of Higher and Secondary Specialized Education, **24 December, 2019.**

Implemented dissemination activities (4)

The working group had written three articles on the topic of this project:

1) The article «Comprehensive Approach to Curriculum Design for Advanced Training of Academic Staff in the Direction "Radio Electronic Devices and Systems" in Uzbekistan» will be published on the 4th International Conference on Education and Distance Learning (ICEDL 2020), which will be held on 17-19 July, 2020 in Rome (Italy). Conference Proceedings of ICEDL 2020 will be indexed by Scopus.

2) The article «Comprehensive Approach to Curriculum Design for Advanced Training of Academic Staff in the Direction "Radio Electronic Devices and Systems" in Uzbekistan» also will be published on the journal «International Journal of Information and Education Technology (IJIET)» (indexed by Scopus) in September, 2020.

3) The article "ОСНОВНЫЕ НАПРАВЛЕНИЯ РАЗВИТИЯ СЕТИ СПУТНИКОВОЙ СВЯЗИ В РЕСПУБЛИКЕ УЗБЕКИСТАН" will be published in July, 2020 on the journal «Мухаммад ал-Хоразмий авлодлари».

Implemented dissemination activities (5)

Workgroup had held meetings every month to discuss assigned tasks and monitor the project.

Quality Assurance Plan

	Task	Date
1	Establish a quality group	01/01/2020
2	Study the ESG & ECTS User's Guide documents,	01/02/2020
3	Identify outputs/outcomes of the project for the Branch Centre	01/06/2020
4	Develop the quality indicators to assess outputs/ outcomes of the project	01/06/2020
5	Report on its implemented project activities according to the project's work plan	Each 6 months
6	Identify 1-3 reviewers and negotiate with them on how they will review	01/09/2020
7	Monitoring of project progress	Each months

C-office (1)

The purpose: to make students aware of required knowledge, skills and qualifications, gives information about existing work places, in which suitable student is expected to be employed.

Tasks of C-office:
1) Establishment and development of direct ties with enterprises, organizations and institutions (employers) to expand the opportunities for effective employment of graduates;
2) Study of the labor market, identifying trends in its development;
3) Information support for students and graduates on employment issues;
4) Teach students methods of self-presentation and confident behavior in the labor market;
5) Generalization and dissemination of best practices for the employment of graduates of republican and foreign universities.

C-office (2)

Mission - to enhance the abilities and confidence of diverse students and new graduates by creating and delivering innovative career development, job search and experiential education support to help York students and new graduates in their pursuit of career success.

Vision. Engaged students and new graduates creating fulfilling careers by building on their knowledge, skills, experiences and relationships.

Values: community, respect, integrity, excellence.

C-office structure:
1) Head (1 pc.)
2) Specialist for working with employers (1 pc.);
3) Specialist for information systems and analysis (1 pc);
4) Specialist for training and consultation (1 pc.).

Thank you for your attention!

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