Memorandum of Understanding
Between
Samarkand State University, Uzbekistan
And
Chandigarh University, India

In order to encourage closer academic ties, **Samarkand State University** and **Chandigarh University** enter into an agreement of cooperation to establish programs of exchange and collaboration in areas of interest and benefit to both institutions. This agreement will serve as a general framework for cooperation between the two universities and is intended to facilitate discussions of more specific programs of collaboration. In particular, the two universities agree:

a. To explore opportunities for students such as Short term/ Long term mobility such as summer schools, semester abroad, articulation and exchange;
b. Progression for students into Master's or Doctorate Programs;
c. To identify opportunities for exchange of faculty, research staff and administration staff;
d. Joint Supervision of Master's and Ph.D. Programs Students;
e. To make faculty and students aware of the academic programs, research institutes, and educational resources of each other's institution;
f. Joint Workshops, Conference and Co-publishing;
g. Cultural Exchange;
h. To identify other areas of possible interest and collaboration;

A designated person at each institution shall oversee and facilitate implementation of this agreement in cooperation with other appropriate administrators at the respective institutions.
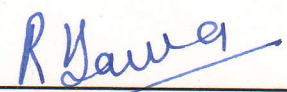
The scope of activities under this agreement shall be determined by the funds regularly available at both institutions for the types of collaboration undertaken and by such other financial assistance as may be obtained by either institution.

The present Memorandum comes into effect from the date of its signature by THE PARTIES and will remain valid for the period of 5 (five) years. Either institution wishing to terminate this agreement shall notify the other institution in writing at least six (6) months prior to termination. Such notification shall not affect the status of students who have already been accepted for programs initiated prior to the termination of this agreement. Any decision to renew or renegotiate the terms of this agreement shall be made on the basis of consultations between the two institutions.
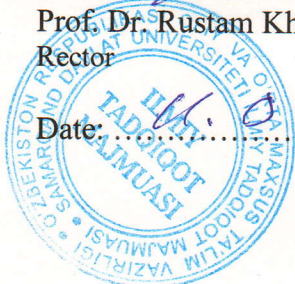
For: Samarkand State University

Prof. Dr. Rustam Khalmuradov
Rector

Date: 06.09.2018

For: Chandigarh University

Prof. (Dr.) Rajinder Singh Bawa
Vice Chancellor

Date: 11.09.2018

Vice - Chancellor
Chandigarh University
Gharuan, Mohali, 140413

PROGRAM
COURSES OF IMPROVEMENT OF PROFESSIONAL SKILL OF SCIENTIFIC AND PEDAGOGICAL STAFF IN THE DIRECTION OF APPLIED MATHEMATICS AND INFORMATION TECHNOLOGIES

During the course, participants will learn the latest technologies, improve their theoretical knowledge and practical skills in 3D graphics and programming, real-time programming, software version control systems, artificial intelligence, processor virtualization, information security based on hardware and software, Network technologies and administration of telecommunication networks.

The duration of each course is planned in the amount of 36 hours of lecture classes, of which 20 hours of lecture classes + 16 hours of practical classes. The total volume of courses conducted by foreign specialists is 144 hours.

№	FULL NAME	Course name	Short Annotation	Class dates
1	Prof. RASMEET SINGH BALI	3D graphics and programming	It provides information on the basics of computer and object modeling, 2D and 3D graphics, scene visualization, animation. On practical lessons, skills are acquired using the standards of video shooting, parametric modeling, the use of animation algorithms	To be identified
2	Prof. RASMEET SINGH BALI	Real-time programming, software version	The theoretical part includes information about the hardware environment and software of real-time systems, mobile real-time	

		control systems (Subversion)	application programming. The practical part deals with the development of algorithms and methods of collection, primary data processing and control of cyclic computational algorithms.	
3	Prof. RASMEET SINGH BALI	Hardware-software means of virtualization and information security.	Based on the results of the course, students receive information about equipping modern processors with hardware security tools, they acquire practical skills in developing and using a minimal hypervisor	
4	Prof. MUNISH SUBHARWAL	Artificial Intelligence	Information is given on the theoretical aspects of knowledge engineering, the representation of knowledge in the state space and intellectual systems. Laboratory classes on modeling of language activity, analysis of formal concepts, application of linguistic information resources for computer information processing	
In addition for conducting classes in on-line format				
5	Antonio Ruiz Moya, director of the Center for Information Technology and Telecommunications Networks, Universitet-tet Granada, Spain	Network Administration	Information is given on the design of networks such as LAN, MAN, WAN, WLAN, network services, network management protocols. The practical part is devoted to the use of network analyzers, DHCP, DNS and NTP services, security of networks based on firewalls	