Course Outline and Objectives:

Introductory graph theory and combinatorics are usually parts of all discrete mathematic courses in computer science and mathematics curricula. The course proposes to introduce the basic notions of these topics. Along with lectures, many problem discussion sessions are planned to make the participants capable of understanding and applying the concepts learnt.

Course Contents:

Graph theory - basic concepts, matching and vertex cover, graph coloring, connectivity, Hamiltonian paths and cycles.

Combinatorics – basic notions, basic techniques, balls and bins problems, inclusion – exclusion principle, recurrence relations, generating functions,

Problems will be discussed in each topic and every session.

Course Organization:

The course will consist of lectures, tutorials and problem solving sessions

Faculty:

IISc faculty will deliver the lectures.

Eligibility:

The course is meant for faculty of AICTE—recognized engineering colleges. Selected teachers will be paid TA at actual subject to the limit of Three tier AC train/bus fare by the shortest route from the place of work to Bengaluru and back. However, the maximum TA payable is Rs.3000/-. They will be provided with a daily allowance of Rs.500/- per day (for 5 days only) towards boarding and lodging as per QIP rules, and will be supplied with the course materials. The lodging charges will be Rs.300/-per day. Local participants will be paid DA @ Rs.150/- per day for 5 days.

In addition, a few seats are available on payment basis for non-sponsored (self-support) teachers, scientists from R&D organizations, practicing engineers from industry and others interested in this course. A course fee of Rs.10,000/- will be charged to these participants. This will entitle them to participate in the course and receive the course material. Single room accommodation is available on the Institute campus at the Hoysala guest House. The participants have to request in advance along with the registration form for such accommodation. The lodging charges will be Rs.1000/- per day, for self-support college teachers and Rs.1500/- per day for industry participants, subject to availability of accommodation.

CENTRE FOR CONTINUING EDUCATION Indian Institute of Science Bengaluru - 560 012

On
Graph Theory and
Combinatorics

2nd – 6th January, 2017

Registration Form

(Please mail to reach before 30th November, 2016)

	The same of the sa		SPISHER HOUSE	COLUMN TO SERVICE	
1.	Name		A		
2.	Age:	Sex: 1	Male/Fema	le	
3.	Office address				
4.	Landline No. with STD code:				
5.	Mobile No.				
6.	Email ID:		Ax		
7.	Academic Qualifications				
Deg	egree subj	ect	year	University	
Diploma/B.Sc./B.A					
B.E/B.Tech/M.Sc.					
M.E	E/M.Tech./M.Phil				
Ph.I	.D. Completed/Pursuing/Int	end purs	uing:		
Thes	esis title/Proposed Research	Area:			
			A		

8.	Teaching Experience(Years)
9.	Industry Experience(Years)
10.	Course taught/professional responsibilities
11.	Accommodation required Yes / No
12.	Self-support candidate: Rs. 10,000/-
201	Demand Draft No
	dated
	o abide by the rules of the QIP courses. If selected, I ticipate in the course for the entire duration.
Date: Place:	
The app	Signatur blicant Mr/Ms
from or	ir institution will be permitted to attend the QIP
	Ferm Course on "Graph Theory and
	natorics " to be held during $2^{nd} - 6^{th}$
	y, 2017 at the Indian Institute of Science,
3120	iru, if selected. He/she will be granted necessary
leave of	ausence.
Place:	
Date:	Signature of Head of the
Date.	Department
	Cianatuma and Caal of the
	Signature and Seal of the

(Xerox copy of this from may also be used)

Please mail this application to:

The Officer-in-Charge Centre for Continuing Education Indian Institute of Science Bengaluru - 560 012 Telephone: 080-23600911, 22932055/2491 Email: so@cce.iisc.ernet.in/ office@cce.iisc.ernet.in/

To reach on or before 30th November, 2016

Intending participants may use the attached application form or a xerox copy of the same. Applicants from AICTE recognized colleges are required to submit their applications sponsored by their colleges.

Non-sponsored (self-support) teacher applicants /others should send their application along with a DD for Rs.10,000/- drawn in favour of "Registrar, Indian Institute of Science, Bangalore-560012" payable at Bengaluru.

Deadlines:

Receiving completed application: 30th Nov. 2016

Intimation of selection: 2nd December 2016

QIP Short Term Course On

Graph Theory and Combinatorics

2nd – 6th January, 2017

Coordinator

Dr. L Sunil Chandran
Department of Computer Science &
Automation

Sponsored by AICTE, NEW DELHI



Centre for Continuing Education Indian Institute of Science Bengaluru – 560 012 Website: cce. iisc. ernet. in