

GUEST LECTURE ON AMORTIZED ANALYSIS AND RANDOMIZED AND PROBABILISTIC ALGORITHMS & APPLICATIONS

By Supratim Biswas

IIT Bombay

26 August & September 11, 2019

A comprehensive session on Amortized and Probabilistic Analysis and Randomized Algorithm was conducted over 2 days for 4 hours on 26th August & 11th September 2019. It was organized by faculty member Ditty Varghese & Sushree Satapathy.

A session on was conducted in the seminar hall from 11.15am to 1.15pm for students of TE Comps and TE IT as a part of their elective subject portion. The main topics focused upon was Randomized Algorithm and Probability Analysis. Speaker for the session was Dr. Supratim Biswas, IIT Bombay. Many real time applications and computational problems were taken as case study to explain the details and the real time applications of it. Computational & Algorithmic problems like Hiring Problem, Programmatic insights about probability distribution and indicator random variables.

A very interesting problem known as “Birthday Paradox” was also discussed, which simply implies the total number of people present in the same room should be such that atleast 2 people will have their birthday on the same day. Since this was too big an answer hence an analysis which brought it down to 28 was used. Dr. Biswas explained every problem in a very analytical manner and very critical observations were drawn from it.

It was all-in-all a very informative session which increased the knowledge among the students and sparked a keen sense of interest in statistics and probability using algorithms. The vote of thanks was given by Ms. Cynthia Mascarenhas, student of TE comps.



Guest Lecture on AA & DSA
- Dr. Supratim Biswas
26 Aug 2019 & 11 Sept 2019
(TE Comps & TE IT 2019-20)
Organized by Ditty Varghese & Sushree Satapathy





Don Bosco Institute of Technology, Kurla
Guest Session for Advanced Algorithms (Course Code: CSDLO5013)

Semester V (2019-20)

Topic: Amortized Analysis And Its Applications

Expert Speaker: Prof. Supratim Biswas

Venue: Seminar Hall, A Wing, 3rd Floor

Date: 26 August 2019

Time: 11.15 to 1.15 pm

Teacher Incharge: Ditty Varghese & Sushree Sathapathy

Attendance Sheet

Sr.No	Roll No	Student Name	Signature
1	2	Ansari Gazala Mohd iqbal	
2	4	Bhosle Rucha Sanjay	
3	5	Bitla Yash Venkatesh	— Ab —
4	6	Borges Paul Joe	
5	7	Chavan Arjun Unmesh	
6	9	Coelho Francis Louis	— Ab —
7	10	Crauto Reuben Sanil	— Ab —
8	11	Daund Harshada Ramnath	
9	12	Dcunha Meldon Malcolm	— Ab —
10	13	Desai Krishna Samir	
11	14	Deulkar Rhushikesh Suhas	
12	17	Dsa Kevin Nolan	
13	18	DSOUZA ELYSIA STEVEN	
14	20	Dsouza Nevil Dolphy	
15	21	DSOUZA NIKITA WALTER	— Ab —
16	22	FERNANDES SALIL JOSEPH	
17	23	FERNANDES WAYNE WALTER	
18	24	GADGIL VAISHNAVI SUNIL	
19	26	GUPTA RAJKUMAR SUBHASH	— Ab —
20	27	IVAN FRANCIS FRANCIS	— Ab —
21	29	JESLYN JAISON JAISON	
22	30	Joshi Sameer Santosh	

23	31	KADAM SAYALI ACHUT	Ab Bevels
24	32	KAITHARATH STEEVE BABU	
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26	37	KAZI TAAHA ISLAM	Ab Kazi Taha Islam
27	38	KHAN MOHD.SAAD SHAHNAWAZ	Ab Khan Mohd. Saad Shah Nawaz
28	39	KHANNA MANMEET RAJINDER	Ab Khanna Manmeet Rajinder
29	40	KSHIRSAGAR TEJASWINI ARUNKUMAR	Ab Kshirsagar Tejaswini Arunkumar
30	41	KUMBHAR AKSHAY PUNDALIK	Ab Kumbhar Akshay Pundalik
31	42	LOURD BHARATHY AROKIADASS	Ab Lourd Bharathy Arokiadass
32	43	MAHATO SAYANTAN TAPAN	Ab Mahato Sayantan Tapan
33	44	Mascarenhas Cynthia Leo	Ab Mascarenhas Cynthia Leo
34	45	MATHIAS NICOLE PATRICK	Ab Mathias Nicole Patrick
35	46	MIRANDA DOMINIC CHESTER	Ab Miranda Dominic Chester
36	47	MISHRA VAIBHAV VINODKUMAR	Ab Mishra Vaibhav Vinodkumar
37	48	MORAES CHRISTINA MAX	Ab Moraes Christina Max
38	49	Naik Nimesh Damodar	Ab Naik Nimesh Damodar
39	50	NICHOLAS JOVIN JOJO	Ab Nicholas Jovin Jojo
40	51	OTHALASSERIL DHEERAJ MARY	Ab Othalasseril Dheeraj Mary
41	52	PAIS SASHA REGINALD	Ab Pais Sasha Reginald
42	54	Parekh Kartik Ashwin	Ab Parekh Kartik Ashwin
43	55	Patil Shruti Deepak	Ab Patil Shruti Deepak
44	57	PIDIYATH SANJO SUNNY	Ab Pidiyath Sanjo Sunny
45	58	PIRES SAMARA FRANCIS	Ab Pires Samara Francis
46	59	PRASAD REBECCA ALDRIN	Ab Prasad Rebecca Aldrin
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49	62	Raote Nikhil Sachin	Ab Raote Nikhil Sachin
49	62	Rodrigues Sonia Charles	Ab Rodrigues Sonia Charles
50	63	SHAIKH RIZWAN RAEES	Ab Shaikh Rizwan Raees

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Shinde Riya Jitendra
SHINDE SOHAM SANDEEP

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55	70	Siddique Md zaid Aslam	<i>Siddique</i>
56	72	SONI VARUN DINESH	<i>Varun</i>
57	73	SUBIN TOM TOM	<i>Subin</i>
58	74	Tarlekar sai Sanjay	<i>Sai</i>
59	75	THAWAL GAURAV NANDAN	<i>Gaurav</i>
60	76	Tom Alan Tom	<i>Tom</i>
61	77	TRIPATHI SARTHAK ANIL	<i>— AB —</i>
62	78	VADAKKAN SHENOY JOSEPH	<i>— AB —</i>



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