



**Department of Information Science and Engineering**

Accredited by NBA, New Delhi  
(Validity: 01.07.2017 - 30.06.2020)

To,  
The Principal,  
GSSSIETW,  
Mysuru.

Date: 04/04/2019

Respected Sir,

Subject: *Requisition to conduct Three Day Skill Development Program on "Design & Analysis of Algorithms" for IV Semester students from 25<sup>th</sup> to 27<sup>th</sup> April 2019 and release an amount of Rs. 18,500/- for the same.*

With reference to the above subject Department of Information Science Engineering intends to organize a Three Day Skill Development Program on "Design & Analysis of Algorithms" for students of IV Semester. The Program will be conducted by Mr. Krishnanand S H. Research Engineer and Mr. Chandan. Product Engineer. Suganya Academy for Excellence, Mysuru. The Skill Development Program includes hands on session and E-Box platform will be used for training. The expected expenditure to organize the events is Rs. 18,500 [Rupees Eighteen Thousand Five Hundred only]. The details are indicated below. We request you to permit us to organize the event and kindly extend your support for the same. by approving above said amount from Student Specific Budget.

Details:

Sl. No.	Particulars	Amount in Rs.
1	Remuneration for the Resource Person (41x400/-)	16,400/-
2	Lunch. Tea, Biscuits(for 3 days)	600/-
3	Cash Prize	1,500/-
	<b>Total Estimated Expenses(in Rupees)</b>	<b>18,500/-</b>

Encl: 1) Outcome of Conducting Three Day Skill Development Program:  
2) Student List.

Coordinator  
Anand M

TO  
Accounts Section  
Dr. Seivakumar  
4/4/2019

HOD  
Dept. of ISE  
**Professor and Head**  
Dept. of Information Science & Engineering  
GSSSIETW, KRS Road, Mysuru - 570 016



Geetha Shishu Shikshana Sangha (R)  
**GSSS INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN**  
(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt. of Karnataka)  
KRS Road, Metagalli, Mysuru 570 016, Karnataka, India

Department of Information Science and Engineering

Accredited by NBA, New Delhi  
(Validity: 01.07.2017 - 30.06.2020)

IV Semester Student List:

SL. NO	USN	STUDENT NAME
1	4GW17IS001	ANUSHA C SHEKAR
2	4GW17IS002	BHAVANA N
3	4GW17IS003	BHUVANA A N
4	4GW17IS004	CHAITHRA K
5	4GW17IS005	CHINMAYI S
6	4GW17IS006	DARSHITHA K S
7	4GW17IS007	GANASHREE G
8	4GW17IS008	GNANESHWARI D S
9	4GW17IS009	HARINI C B
10	4GW17IS010	HARSHITHA C
11	4GW17IS011	HARSHITHA N
12	4GW17IS012	HARSHITHA V
13	4GW17IS013	HOOR AFZA KHANUM
14	4GW17IS014	KAVYA N S
15	4GW17IS015	KUSUMITHA N
16	4GW17IS016	LIKITHA M P
17	4GW17IS017	MADHUSHREE R
18	4GW17IS018	MAHIMA R
19	4GW17IS019	MEDHA R
20	4GW17IS020	NAMANA PRASANNA
21	4GW17IS021	NEHA S P



Geetha Shishu Shikshana Sangha (R)  
**GSSS INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN**  
(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt. of Karnataka)  
KRS Road, Metagalli, Mysuru 570 016, Karnataka, India

Department of Information Science and Engineering

Accredited by NBA, New Delhi  
(Validity: 01.07.2017 - 30.06.2020)

IV Semester Student List:

22	4GW17IS022	PRANATHY G S
23	4GW17IS023	R SHRIYA
24	4GW17IS024	RANJITHA S K
25	4GW17IS025	RASHIKA S
26	4GW17IS026	SANJANA K J
27	4GW17IS027	SHREYA M G
28	4GW17IS028	SONA GANESH G
29	4GW17IS029	SPANDANA M
30	4GW17IS030	SPOORTHI M
31	4GW17IS031	SUSHMA N
32	4GW17IS032	SUSHMASHREE B S
33	4GW17IS033	SYEDA SUKAINA FATIMA
34	4GW17IS034	TASMIA KHAN
35	4GW17IS035	THANUSHREE G N
36	4GW17IS036	THEJASWINI K M
37	4GW17IS037	THUSHARA N
38	4GW17IS038	VINUTHA M
39	4GW17IS039	YASHASWINI P
40	4GW17IS040	YASHASWINI S
41	4GW16IS050	SOWJANYA U



Geetha Shishu Shikshana Sangha (R)

# **GSSS** Institute of Engineering & Technology for Women

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt. of Karnataka)

MYSURU-570 016 | Karnataka | India

## **Department of Information Science & Engineering**

Accredited by NBA, New Delhi (Validity: 01.07.2017 - 30.06.2020)

Organizes

### **Three Day Workshop on "DESIGN & ANALYSIS OF ALGORITHMS"**

Under IQAC

In Association with

**Sugamya Academy for Excellence, Mysuru**

&

**Computer Society of India**



## **CERTIFICATE**

This is to certify that.....  
.....  
.....

participated in Three Day Workshop on "Design & Analysis of Algorithms" Organized by Department of Information Science & Engineering, GSSSIETW, Mysuru held on 25<sup>th</sup> to 27<sup>th</sup> April 2019.

**Krishnanand S H**  
Research Engineer,  
Sugamya Academy for  
Excellence, Mysuru

**Dr. Reshma Banu**  
Professor & Head,  
Dept. of ISE.

**Dr. Shivakumar M**  
Principal,  
GSSSIETW, Mysuru.



**Department of Information Science and Engineering**

Accredited by NBA, New Delhi  
(Validity: 01.07.2017 - 30.06.2020)

**Three Day Enrichment Programme**  
On  
**"Design & Analysis of Algorithms"**  
25<sup>th</sup> to 27<sup>th</sup> April 2019

SL.No	USN	NAME	25 <sup>th</sup> April 2019	26 <sup>th</sup> April 2019	27 <sup>th</sup> April 2019
1	4GW16IS050	SOWJANYA U	<u>Sowjanya</u>	<u>Absent</u>	<u>Absent</u>
2	4GW17IS001	ANUSHA C SHEKAR	<u>Anusha C Shekar</u>	<u>Anusha C Shekar</u>	<u>Absent</u>
3	4GW17IS002	BHAVANA N	<u>Bhavana</u>	<u>Bhavana</u>	<u>Absent</u>
4	4GW17IS003	BHUVANA A N	<u>Bhuvana A N</u>	<u>Bhuvana A N</u>	<u>Bhuvana A N</u>
5	4GW17IS004	CHAITHRA K	<u>Chaitra K</u>	<u>Chaitra K</u>	<u>Chaitra K</u>
6	4GW17IS005	CHINMAYI S	<u>Chinmayi S</u>	<u>Chinmayi S</u>	<u>Chinmayi S</u>
7	4GW17IS006	DARSHITHA K S	<u>Darshitha K S</u>	<u>Darshitha K S</u>	<u>Darshitha K S</u>
8	4GW17IS007	GANASHREE G	<u>G. Ganashree</u>	<u>G. Ganashree</u>	<u>G. Ganashree</u>
9	4GW17IS008	GNANESHWARI D S	<u>Gnaneshwari D S</u>	<u>Gnaneshwari D S</u>	<u>Gnaneshwari D S</u>
10	4GW17IS009	HARINI C B	<u>Harini C B</u>	<u>Harini C B</u>	
11	4GW17IS010	HARSHITHA C	<u>Harshitha C</u>	<u>Harshitha C</u>	<u>Harshitha C</u>
12	4GW17IS011	HARSHITHA N	<u>Harshitha N</u>	<u>Harshitha N</u>	<u>Harshitha N</u>
13	4GW17IS012	HARSHITHA V	<u>Harshitha V</u>	<u>Harshitha V</u>	<u>Harshitha V</u>
14	4GW17IS013	HOOR AFZA KHANUM	<u>Hoor Afza</u>	<u>Hoor Afza</u>	<u>Hoor Afza</u>
15	4GW17IS014	KAVYA N S	<u>Kavya N S</u>	<u>Absent</u>	<u>Kavya N S</u>
16	4GW17IS015	KUSUMITHA N	<u>Kusumitha N</u>	<u>Kusumitha N</u>	
17	4GW17IS016	LIKITHA M P	<u>Likitha</u>	<u>Likitha</u>	<u>Likitha</u>
18	4GW17IS017	MADHUSHREE R	<u>Madhushree R</u>	<u>Madhushree R</u>	<u>Madhushree R</u>
19	4GW17IS018	Mahima R.	<u>Mahima R.</u>	<u>Mahima R.</u>	<u>Mahima R.</u>

20	4GW17IS019	MEDHA R	<u>Medha R</u>	<u>Medha R</u>	<u>Absent</u>
21	4GW17IS020	NAMANA PRASANNA	<u>Absent</u>	<u>Namang</u>	<u>Namang</u>
22	4GW17IS021	NEHA SP	<u>Neha S.P</u>	<u>Neha S.P</u>	<u>Neha S.P</u>
23	4GW17IS022	PRANATHY G S	<u>Pranath</u>	<u>Pranath</u>	<u>Pranath</u>
24	4GW17IS023	R SHRIYA	<u>R Shriya</u>	<u>R Shriya</u>	<u>R Shriya</u>
25	4GW17IS024	RANJITHA S K	<u>Ranjitha S.K</u>	<u>Ranjitha S.K</u>	<u>Ranjitha S.K</u>
26	4GW17IS025	RASHIKA S	-	-	-
27	4GW17IS026	SANJANA K J	<u>Sanjana K.J</u>	<u>Sanjana K.J</u>	<u>Sanjana K.J</u>
28	4GW17IS027	SHREYA M G	<u>Shreya M.G</u>	<u>Shreya M.G</u>	<u>Shreya M.G</u>
29	4GW17IS028	SONA GANESH G	<u>Sona Ganesh G</u>	<u>S.</u>	<u>Absent</u>
30	4GW17IS029	SPANDANA M	<u>Spandan</u>	<u>Spandana M</u>	<u>Spandana M</u>
31	4GW17IS030	SPOORTHI M	<u>Spoorthi</u>	<u>Spoorthi M</u>	<u>Spoorthi M</u>
32	4GW17IS031	SUSHMA N	<u>Sushma</u>	<u>Sushma N</u>	<u>Sushma N</u>
33	4GW17IS032	SUSHMASHREE B S	<u>Sushmashree B.S</u>	<u>Sushmashree B.S</u>	
34	4GW17IS033	SYEDA SUKAINA FATIMA	<u>Syeda Sukain</u>	<u>Syeda Sukain</u>	
35	4GW17IS034	TASMIA KHAN	<u>Tasmeeth</u>	<u>Tasmeeth</u>	<u>Absent</u>
36	4GW17IS035	THANUSHREE G N	<u>Thanushree G.N</u>	<u>Thanushree G.N</u>	<u>Thanushree G.N</u>
37	4GW17IS036	THEJASWINI K M	<u>Thejaswini K.M</u>	<u>Thejaswini K.M</u>	<u>Thejaswini K.M</u>
38	4GW17IS037	THUSHARA N	<u>Thushara</u>	<u>Thushara</u>	<u>Thushara</u>
39	4GW17IS038	VINUTHA M	<u>Vinutha</u>	<u>Vinutha</u>	<u>Vinutha</u>
40	4GW17IS039	YASHASWINI P	<u>Yashaswini</u>	<u>Absent</u>	<u>Absent</u>
41	4GW17IS040	YASHASWINI S	<u>Yashaswini S</u>	<u>Yashaswini S</u>	<u>Absent</u>



**Department of Information Science and Engineering**

Accredited by NBA, New Delhi  
 (Validity: 01.07.2017 - 30.06.2020)  
 Date: 27/04/2019

**FEEDBACK FORM**

**Event:** Three Day Enrichment Programme on "Design & Analysis of Algorithms" from 25<sup>th</sup> to 27<sup>th</sup> April 2019.

**Resource Person:** Krishnanand S H, Sugama Academy For Excellence, Mysuru

**Semester :-** IV

**Does this event:**

- Q1 : Provide Knowledge of modern engineering and IT tools for complex engineering activities with its limitation.
- Q2 : Motivation for independent and life-long learning with technological changes.
- Q3 : Design/develop solutions for complex engineering problems.

**Ratings:** Excellent-3      Good-2      Satisfactory-1      Poor-0

Sl. No	USN	Student Name	Ratings			Please provide remarks for rating less than 2 to improve the event quality	Signature with Date
			Q1	Q2	Q3		
1	4GW17IS001	ANUSHA C SHEKAR				← ABSENT →	
2	4GW17IS002	BHAVANA N					
3	4GW17IS003	BHUVANA A N	3	3	3		<i>[Signature]</i>
4	4GW17IS004	CHAITHRA K	3	3	3		<i>[Signature]</i>
5	4GW17IS005	CHINMAYI S	3	3	3		<i>[Signature]</i>
6	4GW17IS006	DARSHITHA K S	3	3	3		<i>[Signature]</i>
7	4GW17IS007	GANASHREE G	3	3	3		G. Ganesh. 27/4.
8	4GW17IS008	GNANESHWARI D S	3	3	3		Gnaneshwar: 27/4.
9	4GW17IS009	HARINI C B	3	3	3		Harini C.B.
10	4GW17IS010	HARSHITHA C	3	3	3		<i>[Signature]</i>
11	4GW17IS011	HARSHITHA N	3	3	3		Harshitha N 27/4/19
12	4GW17IS012	HARSHITHA V	3	3	3		Harshitha V 27/4/19
13	4GW17IS013	HOOR AFZA KHANUM	3	3	3		Hoor Afza 27/4
14	4GW17IS014	KAVYA N S	3	3	3		<i>[Signature]</i>
15	4GW17IS015	KUSUMITHA N				Absent	
16	4GW17IS016	LIKITHA M P	3	3	3		<i>[Signature]</i>
17	4GW17IS017	MADHUSHREE R	3	3	3		<i>[Signature]</i>
18	4GW17IS018	MAHIMA R	3	3	3		Mahima R
19	4GW17IS019	MEDHA R	3	3	3		<i>[Signature]</i>



**Department of Information Science and Engineering**

Accredited by NBA, New Delhi  
 (Validity: 01.07.2017 - 30.06.2020)

Sl. No	USN	Student Name	Q1	Q2	Q3	Please provide remarks for rating less than 2 to improve the event quality	Signature with Date
20	4GW17IS020	NAMANA PRASANNA	3	2	3		Namana
21	4GW17IS021	NEHA S P	3	2	3		Neelap
22	4GW17IS022	PRANATHY G S	3	3	3		Pran
23	4GW17IS023	R SHRIYA	3	3	3		Shriyaa
24	4GW17IS024	RANJITHA S K	3	3	3		Ranjitha
25	4GW17IS025	RASHIKA S				absent	
26	4GW17IS026	SANJANA K J	2	3	3		Sanjana K J 27/4/19
27	4GW17IS027	SHREYA M G	3	3	3		Shreyam
28	4GW17IS028	SONA GANESH G					
29	4GW17IS029	SPANDANA M	3	3	3		Spandana M 27/4
30	4GW17IS030	SPOORTHIM	3	3	2		Spoorthim
31	4GW17IS031	SUSHMA N	3	2	3		Sushma
32	4GW17IS032	SUSHMASHREE B S	3	3	3		Sushma 27/4/19
33	4GW17IS033	SYEDA SUKAINA FATIMA	3	2	2		Syed Sukaina
34	4GW17IS034	TASMIA KHAN				absent	
35	4GW17IS035	THANUSHREE G N	3	3	3		Thanushree
36	4GW17IS036	THEJASWINI K M	3	3	3		Thejaswini 27/4/19
37	4GW17IS037	THUSHARA N	3	2	3		Thushara
38	4GW17IS038	VINUTHA M	3	2	3		Vinutha 27/4/19
39	4GW17IS039	YASHASWINI P					
40	4GW17IS040	YASHASWINI S				ABSENT	
41		SOWJANYA					
Average			3	3	3	Observation	Coordinator Signature with Date
Attainment Level						Students were gain knowledge on algorithms & design techniques to solve real world problems.	

conclusion, 1

**EVENT COORDINATOR**  
 Anand M

**NBA COORDINATOR**  
 Chaya P

**HOD**  
 Dr. Reshma Banu

**Professor and Head**  
 Department of Information Science and Engg  
 GSSSIETW, K.R.S. ROAD, Mysuru



**Press Report on  
Three day Workshop on “Design & Analysis of Algorithms”  
25<sup>th</sup> to 27<sup>th</sup> April 2019  
For IV Semester students**

Department of Information Science & Engineering has organized a Three Day Enrichment Programme on “Design & Analysis of Algorithms”. The Workshop has been organized in association with Computer Society of India (CSI) and Sugamya Academy for Excellence, Mysuru for 4<sup>th</sup> Semester students of ISE from 25<sup>th</sup> to 27<sup>th</sup> April 2019. Resource Person, Mr. Krishnanand S H, Research Engineer, Sugamya Academy for Excellence, Mysuru, Dr. Reshma Banu, Prof & Head, Department of Information Science & Engineering, GSSSIETW, Mysuru, Programme Coordinator, Mr. Anand M, Assistant Professor, Department of Information Science & Engineering, GSSSIETW, Mysuru and all the staff of ISE Department were present on this occasion.



*Sitting From Left: Dr. Reshma Banu, Prof & Head , Department of Information Science & Engineering, GSSSIETW, Mysuru, Mr. Krishnanand S H, Research Engineer, Sugamya Academy for Excellence, Mysuru, Mr. Chandan, Product Engineer, Sugamya Academy for Excellence, Mysuru Mr. Anand M, Asst. Professor, Department of Information Science & Engineering, GSSSIETW, Mysuru*

Workshop enlightened the students about various sub-areas of Design & Analysis of Algorithms & demonstrated how to apply the algorithms and design techniques to solve real world problems. Programme included hands on session and E-Box platform was used for training. E-Box platform was used to design & implement simple applications using searching & sorting algorithms like quick sort, merge sort, binary search & linear search. Students realized the revolution of design techniques for algorithms such as Greedy Technique, Divide & Conquer Technique, Decrease & Conquer & Dynamic Programming.



Resource Persons *Mr. Krishnanand S H, Research Engineer & Mr. Karthikeyan, Senior Research Engineer, Sugamya Academy for Excellence, Mysuru*, involved in training the students during the workshop.

The Students were made to analyse and evaluate time & space complexities for algorithms such as Dijkstra's Algorithm, Prim's Algorithm, Floyd's Algorithm & Kruskal's Algorithm and understand the utilization of algorithms in Network domain. Trivial Issues and doubts regarding Knapsack Problem, Job Sequencing and Travelling Sales Person problem problems were solved and implemented. In-class quiz & assignments to evaluate the understanding of concepts covered during sessions.

The Workshop concluded with the Valedictory function which was attended by all the students and faculties of the Information Science & Engineering department and cash prize was awarded for the best three performers during the workshop.



*Dr. Reshma Banu, Prof & Head, Department of Information Science & Engineering, GSSSIETW, Mysuru and Mr. Krishnanand S H, Research Engineer, Sugamya Academy for Excellence, Mysuru awarding the First Prize to Bhuvana A N, Hoor Afza Khanum, Spoorthi and M Syeda Sukaina Fatima.*

*Dr. Reshma Banu, Prof & Head, Department of Information Science & Engineering, GSSSIETW, Mysuru and Mr. Krishnanand S H, Research Engineer, Sugamya Academy for Excellence, Mysuru awarding the Second Prize to Vinutha M, Darshitha K S, Madhushree S, Thushara N*

The workshop was much appreciated by the students with many of the enthusiastic participants sharing their experience on how the workshop enlightened them about practical knowledge of working on various techniques of algorithms.

**OUTCOMES:**

- Students <sup>have</sup> understood how to apply the algorithms and design techniques to solve real world problems.
- Executed assignment programs and were able to analyse and evaluate the space & time complexities for algorithms.
- Workshop boosted student's confidence in Design & Analysis of Algorithms subject.
- Promoted self confidence of the students.



**Event Coordinator**  
**Anand M**



**Professor and Head**  
Department of Information Science and Engin:  
GSSSIETW, K.R.S. ROAD, Mysuru-570 016.

**H. Shiv Kumar**  
**PRINCIPAL**

# Enrichment programme on 'Design and analysis of Algorithms' held at GSSSIETW

KRS ROAD

Department of Information Science and Engineering, GSSSIETW, Mysuru, had organised a three-day enrichment programme on "Design and analysis of Algorithms."

The workshop was jointly organised in association with Computer Society of India (CSI) and Sugamya Academy for Excellence, Mysuru, for 4th-semester students of ISE from April 25 to 27.

Resource person Krishnanand S H, Research Engineer, Sugamya Academy for Excellence; Dr Reshma Banu, professor and head, Department of ISE, programme coordinator; Anand M, assistant professor, Department of ISE and all the staff of ISE department were present.

Workshop enlightened the students on various sub-areas of design and analysis of Algorithms and demonstrated how to apply the algorithms and design techniques to solve real-world problems.

The programme included a hands-on session and E-Box platform was used for training. E-Box platform was used to design and implement simple applications using



searching and sorting algorithms like quick sort, merge sort, binary search and linear search. Students realised the revolution of design techniques for algorithms such as greedy technique, divide and conquer technique, decrease and conquer and dynamic programming.

The students were made to analyse and evaluate time and space complexities for algorithms such as Dijkstra's Algorithm, Prim's Algorithm, Floyd's Algorithm and Kruskal's Algorithm and understand the utilisation of algorithms in Network domain. Trivial Issues and doubts regarding Knapsack Problem, Job Sequencing and Travelling Sales Person problems were solved and implemented. In-class quiz and

assignments to evaluate the understanding of concepts covered during sessions.

The workshop concluded with the valedictory function which was attended by all the students and faculties of the ISE department and cash prizes were awarded to the best three performers during the workshop.

Overall the students understood how to apply the algorithms and design techniques to solve real-world problems; executed assignment programmes and were able to analyse and evaluate the space and time complexities for algorithms; the workshop boosted students' confidence in design and analysis of Algorithms subject and promoted self-confidence among the students.

Copyright © 2017 CITYTODAY. All rights reserved

CITY TODAY

3<sup>rd</sup> May 2019