BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
GROUP OF INSTITUTIONS-INTEGRATED CAMPUS
(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)
Abdullapur (V), Abdullapurmet (M), R.R Dt. Hyderabad – 501505
website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 01/02/2023

Department of Civil Engineering

Minutes of Meeting

A meeting was held on **01.02.2023** in Civil Department to discuss the following points

1. Conduction of Add-on Program on **QUANTITY SURVEYING**for **IInd year** Students from **06.02.2023** to **19.02.2023**.
2. Coordinators of the above Programs must collect the interested students' information and inform them about Add-On programs.
3. **Mr.M.BHARATH KUMAR** is nominated as Coordinator for the Add On program on **QUANTITY SURVEYING,** he has instructed to prepare the Design and Development of Curriculum for Add on Programs by **05.02.2023**.

The following staff were present for the meeting.

S.No.	Name of the Faculty	Designation	Signature
1	D.CHIRANJEEVI	HOD	
2	G.MADHU KUMAR	Assistant Professor	
3	N.BHAGEERADH	Assistant Professor	
4	J.VENKANNA	Assistant Professor	
5	G P BHASKER	Assistant Professor	
6	B.NAVEEN KUMAR	Assistant Professor	

DEPARTMENT ACADEMIC
COMMITTEE COORDINATOR

HOD
Department of Civil Engineering
Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Campus (7
Abdullapur (V), Abdullapurmet (M),
R.R. Dist-501505.

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Date: 03.02.2023

Department of Civil Engineering

To
The Director,
Brilliant Grammar School Educational Society's Group of Institutions,
Abdullapurmet, Ranga reddy Dist. – 501505.

Sub:- Request for the approval to conduct an Add-On program for B.Tech (CIVIL) students and Resource Person Allocation – Reg.

Respected sir,

The Department of Civil Engineering is proposing to conduct an Add-On program for B.Tech. Civil - II year students on various Technologies from 06.02.2023 to 19.02.2023.

We request for your kind approval to conduct this program with the following details.

Branch	Topic	Date	Time	Resource Persons
B.Tech (Civil) II year	QUANTITY SURVEYING	06/02/2023 to 19/02/2023	3.00 to 6.00 P.M.	G.SHYAM KUMAR

Thanking You Sir

Yours Faithfully
Head of the Department
CIVIL

Department of Civil Engineering
Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Compus (7...
Abdullapur (V), Abdullapurmet (M),
R.R, Dist-501505.

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 03.02.2023

Department of Civil Engineering

To
Mr / Mrs G. SHYAM KUMAR
S R T S T.
NALGONDA.

Sub:- Request for Conducting the Add-On program on QUANTITY SURVEYING for Civil Engineering for B.Tech (CIVIL) II year students – Reg.
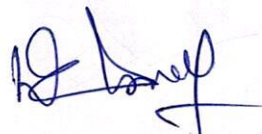
Respected Sir / Madam,

The Department of Civil Engineering is proposing to conduct an Add-On program on Quasntity surveying for Civil Engineering for B.Tech. Civil - II year students from 06.02.2023 to 19.02.2023.

We request for your acceptance to conduct this program with the following details.

Branch	Topic	Date	Time	Resource Persons
B.Tech (Civil) II year	QUANTITY SURVEYING	.02.2023 to 19.02.2023.	3.00 to 6.00 P.M.	G.SHYAM KUMAR

Thanking You Sir

Yours Faithfully
Head of the Department

Department of Civil Engineering
Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Compus (7Q)
Abdullapur (V), Abdullapurmet (M),
R.R. Dist-501505.

Signature Of Resource Person

ABOUT COLLEGE

Brilliant Grammar School Educational Society's Group of Institutions - Integrated Campus (Faculty of Engineering & Faculty of Pharmacy) is a highly reputed Institute, established in 2009 with EAMCET Counseling Code BRIG. The college is under the dynamic leadership of the veteran Director, Dr. S PENIEL PAULDOSS, M.Tech (Thermal Engg.), Ph.D and Principal, Dr. CH. KANTLAM, M.Pharm (Pharmaceutical Chemistry),Ph.D, who have more than 17 years of experience in Technical Education.

The Brilliant Group turned a golden leaf with the icon of technical education in Telangana who steered the Engineering education onto the echelons of national and international corridors, a versatile, sagacious genius Sri Kasireddy Narayan Reddy, an eminent and dynamic educationalist of our state, taking reigns as the Chairman of all the colleges in Brilliant Group of Technical Institutions.

He has been leading the Brilliant Grammar High Schools to be among the top-notch schools in our state since 1986. With the same motivation and dynamism, he established the Brilliant Group of Technical Institutions in 2009 and has been constantly upgrading them perpetually to promote a valued technical education in our state.

ABOUT THE DEPARTMENT OF CIVIL ENGINEERING

The department has strong focus in the research areas of transportation systems engineering, Geo Technical engineering, Ocean Engineering, Remote sensing & Construction technology and management. The department of civil engineering has been functioning since 2009 with emphasis on fundamental theory and practice in civil engineering, keeping in view that current and continuously changing scenarios in this discipline. The department offers a full time B.Tech degree course in civil engineering. Apart from conducting academic programs, additional computer courses, seminars and

workshops are conducted for the students as well the faculty. A number of consultancy works are also being carried out. The department was under the affiliated to JNTU, Hyderabad. The department has well experienced faculty. In addition to teaching and instruction, a faculty is also engaged in active research with an aim to generate innovative concepts & ideas or apply the existing technologies to new applications.

OUR VISION

To become a pioneering department in the country for teaching, research and consultancy in existing and emerging areas of civil engineering.

OUR MISSION

- To impart quality and real time education to contribute to the field of civil engineering..
- To impart soft skills, leader ship qualities and professional ethics among the graduates to handle projects independently.
- To develop graduates to compete at the global level.
- To deal with the contemporary issues and to cater to the societal needs.

OBJECTIVES

A Quantity Surveying course typically aims to equip students with a comprehensive set of skills and knowledge related to the field of quantity surveying, which involves the management of costs and contracts within construction and infrastructure projects. The specific objectives of a Quantity Surveying course can vary based on the institution and the level of the course (undergraduate, postgraduate, etc.), but here are some common objectives:

OUTCOMES Quantity Surveying course typically aims to equip students with the knowledge and skills required to effectively manage the financial and contractual aspects of construction projects. The specific outcomes of such a course may vary depending on the institution, level of education (undergraduate, postgraduate, etc.), and the curriculum. However, here are some common outcomes you can expect from a Quantity Surveying course:

REGISTRATION FORM

ADD ON PROGRAMME ON QUANTITY SURVEYING
06/02/2023-09/02/2023

Name: Mr./Mrs.: ....

....

Designation: ....

Department: ....

Address: ....

....

Mobile: ....

E-Mail: ....

Signature: ....

Date: ....

ORGANIZERS:

CHIEF PATRON: Sri KASIREDDY NARAYAN REDDY, Chairperson, BGTI.

PATRON: Dr S.P. PAULDOSS, Director, BRIG.

CONVENOR: D.CHIRANJEEVI, HOD, CIVIL.

CO-ORDINATOR: M.DHARANI

MODE: OFF LINE

FOR REGISTRATION & FURTHER DETAILS:

DEPARTMENT OF CIVIL ENGINEERING

BRILLIANT GRAMMER SCHOLL EDUCATIONAL SOCITY'S

GROUP OF INSTITUTIONS INTEGRATED CAMPUS,

ABDULLAPUR , ABDULLAPUR MET MANDAL, R R DIST-

501505

EMAIL: brigiccivildept@gmail.com **Contact:**7981528902

ADD ON PROGRAMME ON QUANTITY SURVEYING
06/02/2023 to 19/02/2023

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROUP OF INSTITUTIONS – INTEGRATED CAMPUS ABDULLAPUR, HAYATNAGAR, R.R. DISTRICT

RESOURSE PERSON:
B.MAHESH, ASSISTANT PROFESSOR, DEPARTMENT OF CIVIL ENGINEERING FROM VIGNAN,

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 04.02.2023

<u>Circular</u>

<u>Add-On Programs for CIVIL students</u>

All the students of B.Tech. Civil are informed that we are conducting Add-On program on **QUANTITY SURVEYING** for **II year** students from **06-02-2023 to 19-02-2023**. All the CIVIL students register your name and you have to participate enthusiastically.

The interested students have to contact the program coordinator **Mr.M.BHARATH KUMAR** for further information on or before **05.02.2023.**

To
The HOD- CIVIL
Mr.M.BHARATH KUMAR, Assistant Professor & Program coordinator

Copy to:
1. The Director, Academics
2. The Director, Administration
3. Vice Principal
4. IQAC

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pThe course module Content is as follows:

- Introduction to Quantity Surveying:
- Construction Technology:
- Measurement and Estimation:
- Cost Planning and Control:
- Contracts and Procurement:
- Quantity Surveying Practice:
- Sustainable Construction:
- Financial Management:
- Risk Management:
- Professional Ethics and Standards:
- BIM (Building Information Modeling):
- Advanced Construction Economics:

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Department: CIVIL

Course Coordinator: M.Dharani

Date: 06.02.2023 to 19.02.2023

ATTENDANCE SHEET

DATE	-	6/2/23	7/2/23	8/2/23	9/2/23	10/2/23	13/2/23	14/2/23	15/2/23	16/2/23	17/2/23	18/2/23	19/2/23
S.NO	H.T.NO.	1	2	3	4	5	6	7	8	9	10	11	12
1	217Q1A0101	1	2	3	A	4	5	6	7	8	9	A	10
2	217Q1A0102	1	2	3	4	5	A	6	7	8	9	10	11
3	217Q1A0103	1	2	3	4	5	6	7	8	9	10	11	12
4	217Q1A0104	A	1	2	3	4	5	6	7	8	9	10	11
5	217Q1A0105	1	2	3	A	5	6	7	8	9	10	A	11
6	217Q1A0106	1	2	3	4	5	6	7	8	9	10	11	12
7	217Q1A0107	1	2	A	3	4	5	6	7	8	9	10	11
8	217Q1A0108	1	2	3	4	5	6	A	7	8	9	10	11
9	217Q1A0109	1	2	3	4	5	6	7	8	9	10	11	12
10	217Q1A0110	1	A	2	3	4	5	6	7	8	9	10	11
11	217Q1A0111	1	2	A	3	4	5	6	7	8	9	10	11
12	217Q1A0112	1	2	3	4	5	6	7	8	9	10	11	12
13	217Q1A0113	1	2	3	A	4	5	6	7	8	9	10	11
14	217Q1A0114	1	2	3	4	5	A	6	7	8	9	10	11
15	217Q1A0115	1	2	3	4	5	6	7	8	9	A	10	11
16	217Q1A0116	1	2	3	4	5	6	7	8	9	10	11	A
17	227Q5A0101	1	2	3	4	5	6	7	8	9	A	10	11
18	227Q5A0102	1	2	3	4	5	6	7	8	9	10	11	12
19	227Q5A0103	A	1	2	3	4	5	6	7	8	9	10	11
20	227Q5A0104	1	2	3	4	5	6	7	8	9	10	11	12
21	227Q5A0105	1	2	3	4	5	6	7	8	9	10	11	12
22	227Q5A0106	1	2	3	4	5	6	7	8	9	10	11	12

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23	227Q5A0107	A	1	2	3	4	5	6	7	8	9	10	11
24	227Q5A0108	1	2	3	4	5	6	7	8	9	10	11	12
25	227Q5A0109	1	A	2	8	4	5	6	7	8	9	10	11
26	227Q5A0110	1	2	3	4	5	6	7	8	9	10	11	12
27	227Q5A0111	1	2	3	4	5	6	7	8	9	10	11	12
28	227Q5A0112	1	2	3	4	5	6	7	8	9	10	11	12
29	227Q5A0113	1	2	8	4	5	6	7	8	9	10	11	12
30	227Q5A0114	1	2	3	4	5	6	7	8	9	10	A	4
31	227Q5A0115	1	2	8	4	5	6	7	8	9	10	A	4

CO-ORDINATOR

DIRECTOR

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
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ADD ON PROGRAMME

ON

QUANTITY SURVEYING

Date: 06-02-2023 to 19-02-2023

DEPARTMENT CIVIL ENGINEERING 2022-2023

STUDENT REGISTRATION LIST – CIVIL II YEAR

S.NO	H.T.NO.	NAME OF THE STUDENT	UG/PG	SIGNATURE
1	217Q1A0101	ASIF KALIMULLAH	B TECH	
2	217Q1A0102	BANAVATH THANESH	B TECH	
3	217Q1A0103	BONTHA KISHORE	B TECH	
4	217Q1A0104	GANDHAM RAJU	B TECH	
5	217Q1A0105	GUNTI SAI VARUN	B TECH	
6	217Q1A0106	JANGAM BHANUPRAKASH	B TECH	
7	217Q1A0107	KANNAJI PRASANNA	B TECH	
8	217Q1A0108	MD ASIF	B TECH	
9	217Q1A0109	MD NADEEMUDDIN	B TECH	
10	217Q1A0110	VALLANKE SHASHI KIRAN	B TECH	
11	217Q1A0111	MUSHARAF ALI	B TECH	
12	217Q1A0112	NARAPARAJU VENKATA NAGA SAI	B TECH	
13	217Q1A0113	PERUMALLA PRAKASH	B TECH	
14	217Q1A0114	PUJARI TEJA MANIKANTA	B TECH	
15	217Q1A0115	SHAIK REHAN	B TECH	
16	217Q1A0116	VELPULA NAGA VAMSI	B TECH	
17	227Q5A0101	A THIRUMAL	B TECH	
18	227Q5A0102	BANOTH VENKATESH	B TECH	
19	227Q5A0103	CHIKKONDRA SRIKANTH	B TECH	
20	227Q5A0104	DULIGI RAJESH	B TECH	
21	227Q5A0105	K THRIVIKRAM GOUD	B TECH	
22	227Q5A0106	KETHAVATH ANIL NAYAK	B TECH	
23	227Q5A0107	KODIMYALA ESHWAR	B TECH	
24	227Q5A0108	KUDUMULA THARUN REDDY	B TECH	
25	227Q5A0109	NALLA SHIVA RAJU	B TECH	
26	227Q5A0110	P GOUTHAM	B TECH	
27	227Q5A0111	PENDYALA KRISHNA SAI	B TECH	
28	227Q5A0112	SAYYA SHIVAJI	B TECH	
29	227Q5A0113	SOMANOLLA RADHA	B TECH	
30	227Q5A0114	VEERIGILA SUJAINA PRANITHA RANI	B TECH	
31	227Q5A0115	VENNAMALLA SABITHA	B TECH	

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The above mentioned students of B.tech. CIVIL II year have registered for add on program on **QUANTITY SURVEYING** with Applications which will commence from **06-02-2023** to **19-02-2023**. The students are informed to meet program coordinator **M.BHARATH KUMAR**Assistant Professor in CIVIL department for further information.

\

PROGRAM COORDINATOR

HEAD
Department of Civil Engineering
Brilliant Grammar School
Educational Society's Group
Institutions-Integrated Compus (7Q)
Abdullapur (V), Abdullapurmet (M),
R.R. Dist-501505.

DIRECTOR
DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapur (V), Abdullapurmet (M),
R.R.Dist-501505.

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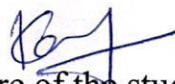
DEPARTMENT OF CIVIL ENGINEERING

ADD-ON PROGRAM

ON

QUANTITY SURVEYING (Course Code:CE02)

SYLLABUS COMPLETION REPORT

S.No.	TOPIC NAME	DATE OF COMPLETION	NO.OF STUDENTS PRESENT
1	Introduction to Quantity Surveying:	6|2|23	28
2	Role and responsibilities of a Quantity Surveyor	7|2|23	29
3	Importance of cost management in construction projects.	8|2|23	30
4	Building materials and their properties.	9|2|23	28
5	Construction methods and techniques.	9|2|23	28
6	Measurement and Estimation:	10|2|23	31
7	Understanding different types of construction	10|2|23	31
8	Contracts and Legal Aspects:	13|2|23	29
9	Types of construction contracts (e.g., lump sum, cost-plus, etc.).	14|2|23	30
10	Contracts and Legal Aspects:	14|2|23	30
11	Health, Safety, and Sustainability:	15|2|23	31
12	Introduction to software tools used in quantity	16|2|23	31
13	Analyzing real-world construction projects	17|2|23	31
14	Undertaking practical exercises in cost estimation	17|2|23	31
15	project management, and contract administration.	18|2|23	28
16	Real Estate and Property Development:	19|2|23	30

PROGRAM COORDINATOR

HEAD
HOD
Department of Civil Engineeri
Brilliant Grammar Schoo
Educational Society's Grou
Institutions-Integrated Campus
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 19|2|23

Department of Civil Engineering

Add-on Program

QUANTITY SURVEYING

Student Feedback Form

I ...B. kishore.......bearing Hall Ticket No.27Q1A0103... student of Civil (B.Tech / M.Tech)....... Year, have attended Add-On program on **QUANTITY SURVEYING** with course code CE-01 from **06.02.2023 to 19.02.2023**.

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content	✓				
3	Speaker's Level of Command on the Topic		✓			
4	Effectiveness of the speaker in terms of Communication	✓				
5	Level of Interaction	✓				
Overall Rating		✓				

Date: 19/2/23

Signature of the student

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Date: 19/2/23

Department of Civil Engineering

Add-on Program

QUANTITY SURVEYING

Student Feedback Form

I ....Md.Asif.....bearing Hall Ticket No.2.17Q1A01..... student of Civil (B.Tech / M.Tech)....... Year, have attended Add-On program on **QUANTITY SURVEYING** with course code CE-01 from **06.02.2023 to 19.02.2023**.

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic	✓				
4	Effectiveness of the speaker in terms of Communication	✓				
5	Level of Interaction	✓				
Overall Rating		✓				

Date: 19/2/23

Signature of the student

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 19/2/23

Department of Civil Engineering

Add-on Program

QUANTITY SURVEYING

Student Feedback Form

I ......S. Shivaji......bearing Hall Ticket No.22705A0112. student of Civil (B.Tech / M.Tech)....... Year, have attended Add-On program on **QUANTITY SURVEYING** with course code CE-01 from **06.02.2023 to 19.02.2023.**

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓	✓			
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic	✓				
4	Effectiveness of the speaker in terms of Communication		✓			
5	Level of Interaction	✓				
Overall Rating			✓			

Date:

Signature of the student

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Abdullapur (V), Abdullapurmet (M), R.R Dt. Hyderabad – 501505
website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 19|2|23

Department of Civil Engineering

Add-on Program

QUANTITY SURVEYING

Student Feedback Form

I ...P. Goutham. bearing Hall Ticket No. 227Q5A0110... student of Civil (B.Tech / M.Tech)....... Year, have attended Add-On program on **QUANTITY SURVEYING** with course code CE-01 from **06.02.2023 to 19.02.2023**.

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic	✓				
4	Effectiveness of the speaker in terms of Communication		✓			
5	Level of Interaction	✓				
Overall Rating			✓			

Date: 19|2|23

Signature of the student

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 19/2/23

Department of Civil Engineering

Add-on Program

QUANTITY SURVEYING

Student Feedback Form

I ....Krishna sai.......bearing Hall Ticket No..22.7Q1A011.student of Civil (B.Tech / M.Tech)....... Year, have attended Add-On program on **QUANTITY SURVEYING** with course code CE-01 from **06.02.2023 to 19.02.2023**.

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic		✓			
4	Effectiveness of the speaker in terms of Communication	✓				
5	Level of Interaction		✓			
Overall Rating		✓				

Date: 19/2/23

Signature of the student

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 19/2/23

Department of Civil Engineering

Add-on Program

QUANTITY SURVEYING

Student Feedback Form

I ...Shaik Rehan...bearing Hall Ticket No.21781A01l5. student of Civil (B.Tech / M.Tech)....... Year, have attended Add-On program on **QUANTITY SURVEYING** with course code CE-01 from **06.02.2023 to 19.02.2023**.

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic	✓				
4	Effectiveness of the speaker in terms of Communication	✓				
5	Level of Interaction	✓				
Overall Rating		✓				

Date: 29/2/23

Signature of the student

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date:19.02.2023

SUMMARY REPORT

ON

ADD-ON PROGRAM

QUANTITY SURVEYING (CE-01)

BY CIVIL DEPARTMENT

The Add-on program has successfully been conducted at Brilliant Grammar School Educational Society's Group of Institutions, Abdullapurmet. The program was conducted from **06-02-2023** to **19-02-2023** at CIVIL department, for the Academic Year 2022-23. This program was conducted for all the B.Tech II year CIVIL students during the Academic Year 2022-23. The Program Conducted from 03:00 PM to 06:00 PM daily on topic of **"QUANTITY SURVEYING"** by **Mr.G.SHYAM KUMAR, Assistant Professor, S R T S T.** Total - 31 students attended the program and the feedback was collected from them. It shown a high impact on students career. I thank all faculty and students of BRIG-IC for successful conduction of the program and special thanks to the speakers of the program. Finally, I thank the technical staff and volunteers for their support. The detailed Brochure and photos are attached here with.

The outcome of the program QUANTITY SURVEYING was:

1.A Quantity Surveying course typically aims to equip students with a comprehensive set of skills and knowledge related to the field of quantity surveying, which involves the management of costs and contracts within construction and infrastructure projects. The specific objectives of a Quantity Surveying course can vary based on the institution and the level of the course (undergraduate, postgraduate, etc.), but here are some common objectives:

Program Coordinator

Copy to:

1. The Director
2. IQAC

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Department of Civil Engineering

Objective exam for Add-On Program for II Year A.Y:2022-23

QUANTITY SURVEYING (CE - 01)

Exam Date: 19/2/23

Name: Raju. G   Hall Ticket NO: 9 | 1 7 Q | A 0 1 0 4

8/10

Answer all questions. All questions carry equal marks. Time: 20 min. Marks: 10

1: What is the primary role of a Quantity Surveyor (QS) in the construction industry?   (C) ✓

a) Architectural design b) Project management c) Cost estimation and control d) Structural engineering

2: Which of the following is NOT a typical task performed by a Quantity Surveyor?   (C) ✓

a) Material procurement   b) Risk analysis   c) Quality control   d) Site excavation

3: The term "BOQ" in Quantity Surveying stands for: (Q) ✓

a) Bill of Quantity   b) Base of Quality   c) Building on Quotation   d) Budget of Quantity

4: What is the purpose of a "preliminary estimate" in Quantity Surveying?   (b) ✗

a) To finalize project designs   b) To create a detailed construction schedule

c) To assess potential risks and uncertainties d) To calculate final project costs

5: "Variations" in Quantity Surveying refer to: (b) ✗

a) Changes to the construction schedule   b) Differences in construction materials

c) Alterations to the project scope or design   d) Fluctuations in labor costs

6: Which of the following is NOT a typical cost category in a construction project?   (C) ✓

a) Direct costs   b) Indirect costs   c) Variable costs   d) Fixed costs

7: What is the purpose of the "tendering process" in Quantity Surveying?   (C) ✓

a) To evaluate project risks   b) To select the best construction method

c) To select the most suitable contractor   d) To calculate final project costs

8: "Depreciation" is a factor considered in Quantity Surveying when estimating the value of: (C) ✓

a) Land   b) Labor   c) Equipment   d) Raw materials

9: Which of the following documents defines the legal and financial terms of a construction project?   (b) ✓

a) Bill of Quantities   b) Contract   c) Schedule of Rates   d) Construction Drawings

10: The term "life cycle costing" in Quantity Surveying refers to: (b) ✓

a) Estimating costs for a single phase of construction   b) Calculating costs over the lifetime of a building

C)Estimating costs for maintenance only   d) Calculating costs for a specific construction material

College Code: 7Q

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Department of Civil Engineering

Objective exam for Add-On Program for II Year A.Y:2022-23

QUANTITY SURVEYING (CE - 01)

Exam Date: 19/2/23

8/10

Name: Asif Kalimullah   Hall Ticket NO: 2 1 7 8 1 A 0 1 0 1

Answer all questions. All questions carry equal marks. Time: 20 min. Marks: 10

1: What is the primary role of a Quantity Surveyor (QS) in the construction industry? (C)

a) Architectural design b) Project management c) Cost estimation and control d) Structural engineering

2: Which of the following is NOT a typical task performed by a Quantity Surveyor? (G)

a) Material procurement   b) Risk analysis c) Quality control   d) Site excavation

3: The term "BOQ" in Quantity Surveying stands for: (a)

a) Bill of Quantity b) Base of Quality c) Building on Quotation d) Budget of Quantity

4: What is the purpose of a "preliminary estimate" in Quantity Surveying? (C)

a) To finalize project designs   b) To create a detailed construction schedule

c) To assess potential risks and uncertainties d) To calculate final project costs

5: "Variations" in Quantity Surveying refer to: (C)

a) Changes to the construction schedule   b) Differences in construction materials

c) Alterations to the project scope or design   d) Fluctuations in labor costs

6: Which of the following is NOT a typical cost category in a construction project? (C)

a) Direct costs   b) Indirect costs   c) Variable costs   d) Fixed costs

7: What is the purpose of the "tendering process" in Quantity Surveying? (a)

a) To evaluate project risks   b) To select the best construction method

c) To select the most suitable contractor   d) To calculate final project costs

8: "Depreciation" is a factor considered in Quantity Surveying when estimating the value of: (a)

a) Land   b) Labor   c) Equipment   d) Raw materials

9: Which of the following documents defines the legal and financial terms of a construction project? (b)

a) Bill of Quantities b) Contract c) Schedule of Rates   d) Construction Drawings

10: The term "life cycle costing" in Quantity Surveying refers to: (b)

a) Estimating costs for a single phase of construction   b) Calculating costs over the lifetime of a building

C)Estimating costs for maintenance only   d) Calculating costs for a specific construction material

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Department of Civil Engineering

Objective exam for Add-On Program for II Year A.Y:2022-23

QUANTITY SURVEYING (CE - 01)

Exam Date: __19/2/23__

9/10

Name: _P. Goutham_   Hall Ticket NO: | 2 | 2 | 7 | Q | 5 | A | 0 | 1 | 1 | 0 |

Answer all questions. All questions carry equal marks. Time: 20 min. Marks: 10

1: What is the primary role of a Quantity Surveyor (QS) in the construction industry?   (c) ✓

a) Architectural design b) Project management c) Cost estimation and control d) Structural engineering

2: Which of the following is NOT a typical task performed by a Quantity Surveyor?   (c) ✓

a) Material procurement   b) Risk analysis   c) Quality control   d) Site excavation

3: The term "BOQ" in Quantity Surveying stands for: (a) ✓

a) Bill of Quantity   b) Base of Quality   c) Building on Quotation   d) Budget of Quantity

4: What is the purpose of a "preliminary estimate" in Quantity Surveying?   (c) ✓

a) To finalize project designs   b) To create a detailed construction schedule

c) To assess potential risks and uncertainties d) To calculate final project costs

5: "Variations" in Quantity Surveying refer to: (c) ✓

a) Changes to the construction schedule   b) Differences in construction materials

c) Alterations to the project scope or design   d) Fluctuations in labor costs

6: Which of the following is NOT a typical cost category in a construction project?   (c) ✓

a) Direct costs   b) Indirect costs   c) Variable costs   d) Fixed costs

7: What is the purpose of the "tendering process" in Quantity Surveying?   (c) ✓

a) To evaluate project risks   b) To select the best construction method

c) To select the most suitable contractor   d) To calculate final project costs

8: "Depreciation" is a factor considered in Quantity Surveying when estimating the value of: (c) ✓

a) Land   b) Labor   c) Equipment   d) Raw materials

9: Which of the following documents defines the legal and financial terms of a construction project?   (a) ✗

a) Bill of Quantities   b) Contract   c) Schedule of Rates   d) Construction Drawings

10: The term "life cycle costing" in Quantity Surveying refers to: (b) ✓

a) Estimating costs for a single phase of construction   b) Calculating costs over the lifetime of a building

C)Estimating costs for maintenance only   d) Calculating costs for a specific construction material

Department of Civil Engineering

Objective exam for Add-On Program for II Year A.Y:2022-23

QUANTITY SURVEYING (CE - 01)

Exam Date: 19/2/23

9/10

Name: V. Sabitha   Hall Ticket NO: 2 2 7 Q 5 A 0 1 1 5

Answer all questions. All questions carry equal marks. Time: 20 min. Marks: 10

1: What is the primary role of a Quantity Surveyor (QS) in the construction industry?   (a) ✗

a) Architectural design b) Project management c) Cost estimation and control d) Structural engineering

2: Which of the following is NOT a typical task performed by a Quantity Surveyor?   (c) ✓

a) Material procurement   b) Risk analysis   c) Quality control   d) Site excavation

3: The term "BOQ" in Quantity Surveying stands for: (a) ✓

a) Bill of Quantity   b) Base of Quality c) Building on Quotation   d) Budget of Quantity

4: What is the purpose of a "preliminary estimate" in Quantity Surveying?   (c) ✓

a) To finalize project designs   b) To create a detailed construction schedule

c) To assess potential risks and uncertainties d) To calculate final project costs

5: "Variations" in Quantity Surveying refer to: (c) ✓

a) Changes to the construction schedule   b) Differences in construction materials

c) Alterations to the project scope or design   d) Fluctuations in labor costs

6: Which of the following is NOT a typical cost category in a construction project?   (c) ✓

a) Direct costs   b) Indirect costs   c) Variable costs   d) Fixed costs

7: What is the purpose of the "tendering process" in Quantity Surveying?   (c) ✓

a) To evaluate project risks   b) To select the best construction method

c) To select the most suitable contractor   d) To calculate final project costs

8: "Depreciation" is a factor considered in Quantity Surveying when estimating the value of: (c) ✓

a) Land   b) Labor   c) Equipment   d) Raw materials

9: Which of the following documents defines the legal and financial terms of a construction project?   (b) ✓

a) Bill of Quantities   b) Contract   c) Schedule of Rates   d) Construction Drawings

10: The term "life cycle costing" in Quantity Surveying refers to: (b) ✓

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C)Estimating costs for maintenance only   d) Calculating costs for a specific construction material

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Department of Civil Engineering

Objective exam for Add-On Program for II Year A.Y:2022-23

QUANTITY SURVEYING (CE - 01)

Exam Date: 19/6/23

8/10

Name: Joib Rehan   Hall Ticket NO: 2 1 7 8 1 A 0 1 1 5

Answer all questions. All questions carry equal marks. Time: 20 min. Marks: 10

1: What is the primary role of a Quantity Surveyor (QS) in the construction industry?   (C) ✓

a) Architectural design b) Project management c) Cost estimation and control d) Structural engineering

2: Which of the following is NOT a typical task performed by a Quantity Surveyor?   (G) ✓

a) Material procurement   b) Risk analysis c) Quality control   d) Site excavation

3: The term "BOQ" in Quantity Surveying stands for: (b) ✗

a) Bill of Quantity   b) Base of Quality c) Building on Quotation   d) Budget of Quantity

4: What is the purpose of a "preliminary estimate" in Quantity Surveying?   (a) ✗

a) To finalize project designs   b) To create a detailed construction schedule

c) To assess potential risks and uncertainties d) To calculate final project costs

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C)Estimating costs for maintenance only   d) Calculating costs for a specific construction material

College Code: 7Q

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department of Civil Engineering

Objective exam for Add-On Program for II Year A.Y:2022-23

quantity surveying(CE - 01)

1. c
2. c
3. a
4. c
5. c
6. c
7. c
8. c
9. b
10. b

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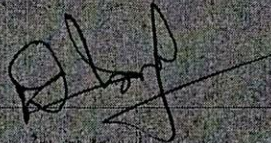
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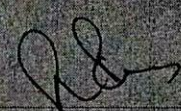
DEPARTMENT OF CIVIL ENGINEERING

Certificate of Appreciation

This is to Certify that Dr./Mr./Ms. _____ G. SHYAM KUMAR _____

Designation: _____ ASSISTANT PROFESSOR _____ of Department of Civil

Engineering has organized 2 weeks *ADD ON PROGRAMME* on *QUANTITY*

SURVEYING Organized by CIVIL Department from 6th FEB 2023 to 19th FEB

2023

Mr. D.CHIRANJEEVIheering
Department of Civil Grammar School
HOD. CE Departmentroup
Educational Society's Group
of Institutions-Integrated Compus (7CI)
Abdullapur (V), Abdullapurmet (M),
R.R Dt.-501505

Dr. S.Peniel Pouldoss
Brilliant Grammar School Educational
Directorstitutions (C)
Society's Group of Institutions
Abdullapur (V), Abdullapurmet (M),
R.R.Dist-501505.

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GROUP OF INSTITUTIONS-INTEGRATED CAMPUS
Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

DEPARTMENT OF CIVIL ENGINEERING

PARTICIPATION CERTIFICATE

This is to Certify that Mr. / Ms. _B. Thanush_

Bearing H.T.NO: _217Q1A0102_ of CIVIL Department has participated

in 2 weeks **ADD ON PROGRAMME** on **QUANTITY SURVEYING** Organized by Civil

Department from 6rh FEB 2023 to 19th FEB 2023.

Mr. M.BHARATH KUMAR
Program Coordinator

D.CHIRANJEEVI
Department of Civil Engineering
HOD, CE Department
Educational Society's Group
of Institutions-Integrated Campus (7~
~~ A~~ Abdullapurmet (M),

Dr. S. Peniel Reuldoss
Director
Brilliant Grammar School Educational
Society's Group of Institutions (TG)
Abdullapur (V), Abdullapurmet (M),
R.R Dist-501505.

R.R. Dist-501505.

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 29-11-2022.

Department of Electrical and Electronics Engineering

Minutes of Meting

A meeting was held on 29-11-2022 in EEE Department to discuss the following points

1. Conduction of Add on Program on **Reactive Power Compensation and Management** for **B.Tech IV year** students, from **06-12-2022 to 27-12-2022.**

2. Coordinators of above Programs has to collect the information of interested students and inform them about Add-On programs.

3. **Mr. B PARADHA SARADHI** is nominated as Coordinator for the Add On program on **Reactive Power Compensation and Management,** they are instructed to prepare the Design and Development of Curriculum for Add on Programs by 06-12-2022.

The following staffs were present for the meeting.

S.No.	Name of the Faculty	Designation	Signature
1	Mr. K.Lalaiah	HOD	
2	Mr. D Ramesh	Associate Professor	
3	Mrs. K Madhavi Latha	Assistant Professor	
4	Mrs. D Seerisha Reddy	Assistant Professor	
5	Mrs. K Anusha	Assistant Professor	
6	Mr. N Shiva Prasad	Assistant Professor	
7	Mr. B Pardha saradhi	Assistant Professor	
8	Mr. K Shankaraiah	Assistant Professor	
9	Mr. P Sunil	Assistant Professor	

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapurmet (V&M), R.R. Dist-501 505

**DEPARTMENT ACADEMIC
COMMITTEE COORDINATOR**
Event Coordinator
Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Campus (7Q)
Abdullapur (V), Abdullapurmet (M).

HOD
Dept. of Electrical & Electronics Engineering
BRILLIANT GRAMMAR SCHOOL EDUCATIONAL
SOCIETY'S GROUP OF INSTITUTIONS
(Faculty of Engineering & Faculty of Pharmacy)
Abdullapur (V),

Date: 29-11-2022.

Department of Electrical and Electronics Engineering

To
Mr / Mr. D RAMESH,
BRIG-IC,

Sub:- Request for conducting the Add-On program on Reactive Power Compensation and Management for B.Tech (EEE) IV year students – Reg.

Respected Sir / Madam,
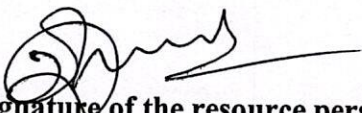
The Department of Electrical and Electronics Engineering is proposing to conduct an Add-On program on Reactive Power Compensation and Management for B.Tech. EEE - IV year students from 06-12-2022 to 27-12-2022.

We request for your kind acceptance to conduct this program with the following details.

Branch	Topic	Date	Time	Resource Persons
B.Tech (EEE) IV year	Reactive Power Compensation and Management	06-12-2022 To 27-12-2022	4.00 PM To 6.00 P.M.	D RAMESH

Thanking You Sir

Yours Faithfully

Signature of the resource person

Head of the Department
HEAD
EEE
Dept. of Electrical & Electronics Engineering
BRILLIANT GRAMMAR SCHOOL EDUCATIONAL
SOCIETY'S GROUP OF INSTITUTIONS
(Faculty of Engineering & Faculty of Pharmacy)
Abdullapur (V), Abdullpurmet (M).

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapurmet (V&M), R.R. Dist-501 505

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 29-11-2022.

Department of Electrical and Electronics Engineering

To
The Director,
Brilliant Grammar School Educational Society's Group of Institutions,
Abdullapurmet, Rangareddy Dist. – 501505.

　　　　　　　　Sub:- Request for the approval to conduct Add-On program for
B.Tech (EEE) students and Resource Person Allocation – Reg.

Respected sir,

The Department of Electrical and Electronics Engineering is proposing to conduct Add-On
program for B.Tech. EEE IV year students on various Technologies in the month of Dec
2022.

　　　　　We request for your kind approval to conduct this program with the following
details.

Branch	Topic	Date	Time	Resource Persons
B.Tech (EEE) IV year	Reactive Power Compensation and Management	06-12-2022 To 27-12-2022	4.00 PM To 6.00 PM	D RAMESH

Thanking You Sir

Yours Faithfully

Head of the Department
HEAD
Dept. of Electrical & Electronics Engineering
EEE
BRILLIANT GRAMMAR SCHOOL EDUCATIONAL
SOCIETY'S GROUP OF INSTITUTIONS
(Faculty of Engineering & Faculty of Pharmacy)
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date : 29-11-2022.

Circular

Add-On Programs for EEE students

All the students of B.Tech. EEE are informed that we are conducting Add-On program on **Reactive Power Compensation and Management (Course code: EEE03) for IV year** students **from 06-12-2022 to 27-12-2022.** All the EEE students register your name and you have to participate enthusiastically.

The interested students of all years have to contact the program coordinators **Mr. B PARADHA SARADHI** for IV year further information on or before 06-12-2022.

To
The HOD- EEE
Mr. K LALAIAH, Associate Professor

Copy to:
1. The Director, Academics
2. The Director, Administration
3. Vice Principal
4. IQAC

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College Code: 7Q

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Add-On Program

On

REACTIVE POWER COMPENSATION AND MANAGEMENT (COURSE CODE: EEE03)

1.LOAD COMPENSATION: Objectives and specifications, Reactive power characteristics, Inductive and capacitive approximate biasing, Load compensator as a voltage regulator, Phase balancing and power factor correction of unsymmetrical loads.

2.STEADY–STATE REACTIVE POWER COMPENSATION IN TRANSMISSION SYSTEMS: Uncompensated line, Types of compensation, Passive shunt and series and dynamic shunt compensation, Examples. Transient State Reactive Power Compensation In Transmission Systems Characteristic time periods, Passive shunt compensation, Static compensation, Series capacitor compensation, Compensation using synchronous condenser.

3.REACTIVE POWER COORDINATION: Objective, Mathematical modeling, Operation planning, Transmission benefits, Basic concepts of quality of power supply, Disturbances, Steady–state variations, Effect of under-voltages, Frequency, Harmonics, Radio frequency and electromagnetic interference.

4.DEMAND SIDE MANAGEMENT: Load patterns, Basic methods load shaping, Power tariffs, KVAR based tariffs penalties for voltage flickers and Harmonic voltage levels. Distribution Side Reactive Power Management System losses, Loss reduction methods, Examples, Reactive power planning, Objectives, Economics Planning capacitor placement, Retrofitting of capacitor banks.

5.USER SIDE REACTIVE POWER MANAGEMENT KVAR: requirements for domestic appliances, Purpose of using capacitors, Selection of capacitors, Deciding factors, Types of available capacitor, Characteristics and Limitations. Reactive Power Management In Electric Traction Systems And Arc Furnaces Typical layout of traction systems, Reactive power control requirements, Distribution transformers, Electric arc furnaces, Basic operation, Furnaces transformer, Filter requirements, Remedial measures, Power factor of an arc furnace.

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ABOUT COLLEGE

Brilliant Grammar School Educational Society's Group of Institutions - Integrated Campus (Faculty of Engineering & Faculty of Pharmacy) is a highly reputed Institute, established in 2009 with EAMCET Counselling Code **BRIG**. The college is under the dynamic leadership of the veteran **Director, S PENIEL PAUL DOSS, M.Tech (Thermal Engg.), Ph.D.** who have

more than 25 years of experience in Technical Education. The Brilliant Group turned a golden leaf with the icon of technical education in Telangana who steered the Engineering education onto the echelons of national and international corridors, a versatile, sagacious genius **Sri Kasireddy Narayan Reddy**, an eminent and dynamic educationalist of our state, taking reigns as the **Chairman** of all the colleges in **Brilliant Group of Technical Institutions**.

ABOUTTHE DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Electrical Engineering is one of the branch oldest branches from time immemorial. The Department of Electrical and Electronics Engineering was started in 2008 with an intake of 120 students. The Department is equipped with latest equipment and experimental setups in the laboratories to help in teaching learning Process. The Electrical and Electronics Engineering graduates are groomed in subject knowledge like Electrical Machines, Power Electronics, power systems, control system, etc and technical knowledge through coursework that is relevant to current technology; they develop the ability to synthesize and envisage solution to real time problems through their immersion in the problem based activities.

Our Vision

To prepare graduates for a rapidly changing technological field and the faculty is to strive continuously in pursuit of excellence in education, research and train the students in a technically sound and challenging manner to pursue professional careers and to solve problems relevant to the best industrial practice of Electrical and Electronics Engineering design.

Our Mission

The Department of Electrical and Electronics Engineering provides a progressive environment for learning through systematic teaching methodologies, rigorous practical training and contemporary curriculum.

Actively engage and mentor students in scholarly and creative endeavors to develop the ability to navigate through a rapidly changing technology and society.

Faculty dedicate through excellence in teaching, exemplified by a free exchange of ideas, fostering new understandings through research and creativity.

OBJECTIVES

The reactive power compensation corresponds to the controlling of reactive power to increase the performance characteristics of the AC system. There are some methods by which the power factor of the system can be improved and hence these are regarded as methods of reactive power compensation.

OUTCOMES

1. Analyze the relationship between power factor and reactive power.
2. Describe methods to improve power factor in electrical systems.
3. Evaluate the advantages and disadvantages of various reactive power compensation techniques, such as capacitor banks, synchronous condensers, and static VAR compensators (SVCs).
4. Understand the impact of reactive power on voltage regulation in power systems.
5. Explain the role of voltage regulators and tap changers in maintaining system voltage within acceptable limits.
6. Understand the challenges and solutions for integrating reactive power compensation into the electrical grid.

REGISTRATION FORM

A 3-WEEKS ADD ON PROGRAMME
ON
REACTIVE POWER COMPENSATION AND MANAGEMENT
06-12-2022 to 27-12-2022

Name: Mr/Mrs: *Ch. Sai Kumar*

Designation: *Student*

Department: *EEE*

Adress: *Dilshuk nagar Banga Reddy*

Mobile: *9908808632*

E-Mail: *sai23@gmail.com*

Signature: *C. Sai Kumar*

Date: *01/12/2022*

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PATRON: Dr. S PENIEL PAUL DOSS

CONVENOR: Mr. K LALAIAH

CO-ORDINATOR: Mr. B PARDHA SARADHI

MODE: OFFLINE

FOR REGISTRATION& FURTHER DETAILS:
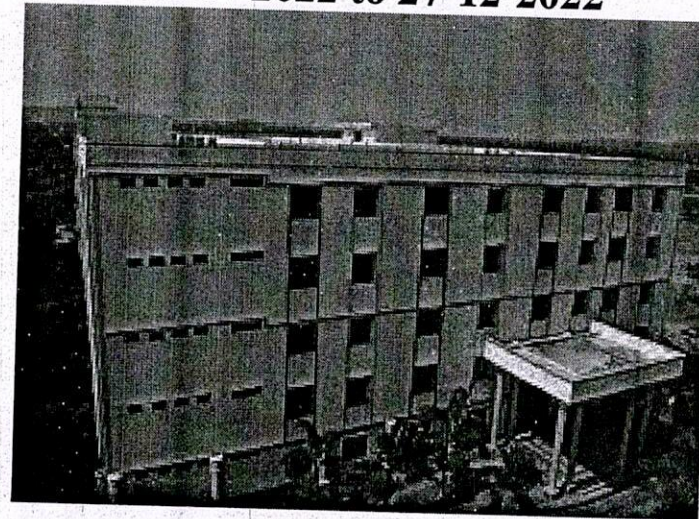
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CAMPUS,
Abdullapur , Abdullapurmet Mandal, Rangareedy Dist-501505
EMAIL: eeehod.brig@gmail.com
Contact:9642834286

A 3-WEEK ADD ON PROGRAMME ON
REACTIVE POWER COMPENSATION AND MANAGEMENT
06-12-2022 to 27-12-2022

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ABDULLAPUR, HAYATHNAGAR, R.R. DISTRICT**

RESOURSE PERSON:
D RAMESH, ASSOCIATE PROFESSOR
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING
FROM BRIG-IC.

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DEPARTMENT OF ELECTRICAL AND ELCTRONICS ENGINEERING
ADD-ON PROGRAM
ON
REACTIVE POWER COMPENSATION AND MANAGEMENT (COURSE CODE:EEE03)

SYLLABUS COMPLETION REPORT

S.NO	TOPIC NAME	DATE OF COMPLETION	NO.OF STUDENTS PRESENT
1	Objectives and specifications, Reactive power characteristics	06-12-2022	55
2	Inductive and capacitive approximate biasing, Load compensator as a voltage regulator	07-12-2022	54
3	Phase balancing and power factor correction of unsymmetrical loads.	08-12-2022	52
4	Uncompensated line, Types of compensation, Passive shunt and series and dynamic shunt compensation	09-12-2022	53
5	Transient State Reactive Power Compensation In Transmission Systems Characteristic time periods, Passive shunt compensation	10-12-2022	51
6	Static compensation, Series capacitor compensation, Compensation using synchronous condenser.	12-12-2022	51
7	Objective, Mathematical modeling, Operation planning, Transmission benefits	13-12-2022	55
8	Basic concepts of quality of power supply, Disturbances, Steady–state variations, Effect of under-voltages	14-12-2022	58
9	Frequency, Harmonics, Radio frequency and electromagnetic interference	15-12-2022	57
10	Load patterns, Basic methods load shaping, Power tariffs, KVAR based tariffs penalties for voltage flickers and Harmonic voltage level	16-12-2022	56
11	Distribution Side Reactive Power Management System losses, Loss reduction methods, Examples	17-12-2022	52
12	Reactive power planning, Objectives, Economics Planning capacitor placement, Retrofitting of capacitor banks.	19-12-2022	52
13	requirements for domestic appliances, Purpose of using capacitors, Selection of capacitors	20-12-2022	52
14	Deciding factors, Types of available capacitor, Characteristics and Limitations	21-12-2022	50
15	Reactive Power Management In Electric Traction Systems And Arc Furnaces Typical layout of traction systems	22-12-2022	50
16	Reactive power control requirements, Distribution transformers	23-12-2022	54
17	Electric arc furnaces, Basic operation	26-12-2022	52
18	Furnaces transformer, Filter requirements, Remedial measures, Power factor of an arc furnace.	27-12-2022	52

PROGRAM COORDINATOR
Event Coordinator
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEEERING

Add on Program

On

Reactive Power Compensation and Management (EEE03)

(06-12-2022 to 27-12-2022)
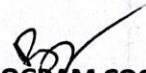
Department: Electrical and Electronics Engineering   **Program Coordinator:** B PARADHA SARADHI, Associate Professor

ATTENDANCE SHEET

SI.NO	H.T NO	6/12	7/12	8/12	9/12	10/12	12/12	13/12	14/12	15/12	16/12	17/12	19/12	20/12	21/12	22/12	23/12	26/12	27/12
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2	187Q5A0214	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
3	197Q1A0201	P	P	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P	P
4	197Q1A0202	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
5	197Q1A0203	P	P	A	P	P	A	P	P	P	P	P	P	A	P	P	P	P	P
6	197Q1A0204	A	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
7	197Q1A0205	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P
8	197Q1A0206	P	P	P	A	P	P	P	P	P	P	P	P	A	A	P	P	P	P
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10	197Q1A0209	P	P	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
11	197Q1A0210	P	A	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
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13	197Q1A0212	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P	A
14	197Q1A0216	P	P	P	P	P	A	P	P	P	P	P	P	A	P	A	P	P	P

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No.	Hall Ticket No.															
15	19TQ1A0217	P	P	A	P	P	P	P	P	P	P	P	P	P	P	A
16	19TQ1A0218	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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18	20TQ5A0202	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
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48	20TQ5A0233	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P

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49	207Q5A0234	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
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58	207Q5A0243	P	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P	P	P

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Event Coordinator
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

DEPARTMENT OF ELECTRICAL AND ELCTRONICS ENGINEERING

Objective Exam ADD-ON PROGRAM FOR IV YEAR A.Y: 2022-23

REACTIVE POWER COMPENSATION AND MANAGEMENT (COURSE CODE:EEE03)

Exam date:

Name: C. Saikumar   H.T NO | 1 | 8 | 7 | Q | 5 | A | 0 | 2 | 1 | 4 |

Answer All Questions. All Questions Carry Equal Marks.   Time: 20 Min. Marks: 10

1. What is the primary function of reactive power compensation in an electrical power system?   [a]
   a) To improve power factor   b) To increase active power generation

   c) To reduce voltage levels   d) To minimize transmission losses

2. Which device is commonly used for static reactive power compensation in power systems?   [b]

   a) Transformers   b) Capacitors c) Generators   d) Circuit breakers

3. Which of the following is a measure of the effectiveness of reactive power compensation in improving power factor?   [a]
   a) Apparent power   b) Real power c) Power factor angle d) Reactive power

4. In a capacitive power factor correction system, how does the power factor angle change after compensation?   [b]

   a) It increases   b) It decreases   c) It remains the same   d) It becomes negative

5. When is overcompensation of reactive power a concern in power systems?   [c]

   a) It is never a concern   b) During light load conditions

   c) During heavy load conditions   d) During balanced load conditions

6. What is the unit of measurement for reactive power?   [c]

   a) Watts (W)   b) Volt-amperes (VA)   c) Volt-amperes reactive (VAR)   d) Hertz (Hz)

7. Which of the following devices is used for dynamic reactive power compensation and voltage regulation?   [a]

   a) Synchronous condenser   b) Surge protector

   c) Power factor relay   d) Distribution transformer

8. What does a power factor of 1 indicate?   [c]

a) An entirely resistive load   b) An entirely inductive load

c) Perfectly balanced loads   d) A purely capacitive load

9. Which type of load typically requires more reactive power compensation?   [a]

   a) Industrial motors   b) Incandescent lighting   c) Electronic devices   d) Heating elements

10. What is the main benefit of effective reactive power management in a power system?   [b]

   a) Reduced energy consumption   b) Improved power quality

   c) Lower transmission line losses   d) Increased voltage levels

College Code: 7Q

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

DEPARTMENT OF ELECTRICAL AND ELCTRONICS ENGINEERING
Objective Exam ADD-ON PROGRAM FOR IV YEAR A.Y: 2022-23
REACTIVE POWER COMPENSATION AND MANAGEMENT (COURSE CODE:EEE03)

⑧

Exam date:

Name: K. Vamshi Krishna   H.T NO | 1 | 9 | 7 | Q | 1 | A | 0 | 2 | 0 | 6 |

Answer All Questions. All Questions Carry Equal Marks.   Time: 20 Min. Marks: 10

1. What is the primary function of reactive power compensation in an electrical power system?   [a]
   a) To improve power factor   b) To increase active power generation

   c) To reduce voltage levels   d) To minimize transmission losses

2. Which device is commonly used for static reactive power compensation in power systems?

   a) Transformers   b) Capacitors c) Generators   d) Circuit breakers   [b]

3. Which of the following is a measure of the effectiveness of reactive power compensation in improving power factor?   [c]
   a) Apparent power   b) Real power c) Power factor angle   d) Reactive power

4. In a capacitive power factor correction system, how does the power factor angle change after compensation?   [b]

   a) It increases   b) It decreases   c) It remains the same   d) It becomes negative

5. When is overcompensation of reactive power a concern in power systems?   [e]

   a) It is never a concern   b) During light load conditions

   c) During heavy load conditions   d) During balanced load conditions

6. What is the unit of measurement for reactive power?   [C]

   a) Watts (W)   b) Volt-amperes (VA)   c) Volt-amperes reactive (VAR)   d) Hertz (Hz)

7. Which of the following devices is used for dynamic reactive power compensation and voltage regulation?   [a]

   a) Synchronous condenser   b) Surge protector

   c) Power factor relay   d) Distribution transformer

8. What does a power factor of 1 indicate?   [C]

a) An entirely resistive load   b) An entirely inductive load

c) Perfectly balanced loads   d) A purely capacitive load

9. Which type of load typically requires more reactive power compensation?   [a]

a) Industrial motors   b) Incandescent lighting   c) Electronic devices d) Heating elements

10. What is the main benefit of effective reactive power management in a power system?   [b]

a) Reduced energy consumption   b) Improved power quality

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Abdullapur (V), Abdullapurmet (M), R.R Dt. Hyderabad – 501505
website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

DEPARTMENT OF ELECTRICAL AND ELCTRONICS ENGINEERING
Objective Exam ADD-ON PROGRAM FOR IV YEAR A.Y: 2022-23
REACTIVE POWER COMPENSATION AND MANAGEMENT (COURSE CODE:EEE03)

Exam date:

Name: K. Rakesh   H.T NO | 1 | 9 | 7 | Q | 1 | A | 0 | 2 | 0 | 9 |

Answer All Questions. All Questions Carry Equal Marks.   Time: 20 Min. Marks: 10

1. What is the primary function of reactive power compensation in an electrical power system?   [a]
   a) To improve power factor   b) To increase active power generation
   c) To reduce voltage levels   d) To minimize transmission losses

2. Which device is commonly used for static reactive power compensation in power systems?   [b]
   a) Transformers   b) Capacitors c) Generators   d) Circuit breakers

3. Which of the following is a measure of the effectiveness of reactive power compensation in improving power factor?   [c]
   a) Apparent power   b) Real power c) Power factor angle d) Reactive power

4. In a capacitive power factor correction system, how does the power factor angle change after compensation?   [b]

   a) It increases   b) It decreases   c) It remains the same   d) It becomes negative

5. When is overcompensation of reactive power a concern in power systems?   [c]

   a) It is never a concern   b) During light load conditions
   c) During heavy load conditions   d) During balanced load conditions

6. What is the unit of measurement for reactive power?   [c]

   a) Watts (W)   b) Volt-amperes (VA)   c) Volt-amperes reactive (VAR)   d) Hertz (Hz)

7. Which of the following devices is used for dynamic reactive power compensation and voltage regulation?   [a]

   a) Synchronous condenser   b) Surge protector
   c) Power factor relay   d) Distribution transformer

8. What does a power factor of 1 indicate?   [a]

a) An entirely resistive load   b) An entirely inductive load

c) Perfectly balanced loads   d) A purely capacitive load

9. Which type of load typically requires more reactive power compensation?   [a]

a) Industrial motors   b) Incandescent lighting   c) Electronic devices d) Heating elements

10. What is the main benefit of effective reactive power management in a power system?   [b]

a) Reduced energy consumption   b) Improved power quality

c) Lower transmission line losses   d) Increased voltage levels

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Objective Exam ADD-ON PROGRAM FOR IV YEAR A.Y: 2022-23
REACTIVE POWER COMPENSATION AND MANAGEMENT (COURSE CODE:EEE03)

9

Exam date:

Name: M.priyanka Soumya   H.T NO | 1 | 9 | 7 | Q | 1 | A | 0 | 2 | 1 | 1 |

Answer All Questions. All Questions Carry Equal Marks.   Time: 20 Min. Marks: 10

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8. What does a power factor of 1 indicate?   [c]

#	Roll No	Name	Marks / Attendance sequence
10	197Q1A0510	DARSHAPU ANUSHA	1 2 3 X 4 5 6 7 8 X 9 10 11 12 13 14 15 16
11	197Q1A0511	G MOUNIKA	1 2 3 4 5 6 7 8 9 10 X 11 12 13 14 15 16 X
12	197Q1A0512	GANDHAM MARUTHI	1 2 3 X 4 5 6 7 8 9 10 11 12 13 14 15 16 17
13	197Q1A0513	GATLA SRAVAN KUMAR	1 2 3 4 5 6 7 8 9 10 11 12 13 14 X 15 16 17
14	197Q1A0514	GORLA SRINIVAS SHASHANK YADAV	1 2 3 4 5 6 7 8 9 10 11 12 X 13 14 15 16 17
15	197Q1A0515	GOVINDU TEJA SREE	1 2 3 4 5 6 7 8 9 10 11 12 X 13 14 15 16 17
16	197Q1A0516	GUNASHETTI GANESH	1 2 3 4 5 6 7 X 8 9 10 11 12 13 14 15 16 17
17	197Q1A0517	IRRINKI PAVAN SUKRAN	1 2 3 4 5 6 7 8 9 10 11 X 12 13 14 15 16 17
18	197Q1A0518	ITHAGONI TEJASWINI	1 2 3 4 5 6 7 8 X 9 10 11 12 13 14 15 16 17
19	197Q1A0519	K BHARATH KUMAR	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 X 16 17
20	197Q1A0520	K RAKESH	1 2 3 4 5 6 7 8 9 10 11 12 13 X 14 15 16 17
21	197Q1A0521	KASAMSETTY VAASAVI	1 2 3 X 4 5 6 7 8 9 10 11 12 13 14 15 16 17
22	197Q1A0522	KOUKUNTLA NIKHITHA	1 2 3 4 5 6 7 8 X 9 10 11 12 13 X 14 15 16
23	197Q1A0523	KOUTA SNEHITH REDDY	1 2 3 4 5 6 X 7 8 9 10 11 12 13 14 15 16 17
24	197Q1A0524	LIKKI MANISREE	1 2 3 4 X 5 6 7 8 9 10 11 12 13 14 15 16 17
25	197Q1A0525	MADUPU BOBBY	1 2 3 4 5 6 7 8 X 9 10 11 12 X 13 14 15 16
26	197Q1A0526	M SRAVANI	1 2 3 4 5 6 7 8 X 10 X 11 12 13 14 15 16 17
27	197Q1A0527	MANGALI HARISH KUMAR	1 2 3 4 X 5 6 7 8 9 10 11 12 13 14 15 16 17
28	197Q1A0528	MAREDU MURALIDHAR	1 2 3 4 5 6 X 7 8 9 10 11 12 X 13 14 15 16
29	197Q1A0529	MAREPALLY RUTHVIKAS	1 2 3 4 5 6 7 8 X 9 10 11 12 13 14 X 15 16
30	197Q1A0530	MARRI RAKESH	1 2 3 4 5 6 7 8 9 10 X 11 12 X 13 14 15 16
31	197Q1A0531	MASOOD ABDUL RAHMAN	1 2 3 4 X 5 6 7 8 9 10 X 11 12 13 14 15 16

#	Roll No	Name																		
32	197Q1A0532	MD AHMED ULLAH	1	2	3	4	5	6	X	7	8	9	16	11	12	13	14	15	16	17
33	197Q1A0533	METTHALA NIKHIL KUMAR	1	2	3	4	5	6	7	8	X	9	10	11	12	13	14	15	16	17
34	197Q1A0534	C HARIKRISHNA	1	2	X	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
35	197Q1A0535	MUDDAGOUNI SAI RAKESH GOUD	1	2	3	4	5	6	7	X	8	9	10	11	12	13	14	15	16	17
36	197Q1A0536	MUKKAMALLA ANUSHA	1	2	3	4	5	6	7	8	X	9	10	11	12	13	14	15	16	17
37	197Q1A0537	MURGAN YASHWANTH	1	2	3	4	X	5	6	7	8	9	10	11	12	13	14	15	16	17
38	197Q1A0538	NADIKUDA SAI RAHUL	1	2	3	4	X	5	6	7	8	9	10	11	12	13	14	15	16	17
39	197Q1A0539	NAMEERA FATIMA	1	2	3	4	5	6	X	7	8	9	10	11	12	13	14	15	16	17
40	197Q1A0541	P SAI KIRAN REDDY	1	2	3	4	5	6	7	8	9	10	11	X	12	13	14	15	16	17
41	197Q1A0542	PADKANTIWAR YOGESH	1	2	3	4	5	6	7	8	9	X	10	11	12	13	14	15	16	17
42	197Q1A0543	PAGIDIPATHI SRINIVAS GOUD	1	2	3	X	4	5	6	7	8	9	10	11	12	13	14	15	16	17
43	197Q1A0544	PALIVELA SUSEEL KUMAR	1	2	3	4	5	6	7	8	9	X	10	11	12	13	14	15	16	17
44	197Q1A0545	PANYALA VAISHNAVI	1	2	3	4	5	6	X	7	8	9	10	11	12	13	14	15	16	17
45	197Q1A0546	PARKALA SINDHU	1	2	X	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
46	197Q1A0547	PERAM SUSMITHA	1	2	3	4	5	6	7	8	9	10	11	X	12	13	14	15	16	17
47	197Q1A0548	PETETI NAGAMALLESWARA RAO	1	2	3	4	5	X	6	7	8	9	10	11	12	13	14	15	16	17
48	197Q1A0549	PETLA AKHILA	1	2	3	4	X	5	6	7	8	X	9	10	11	12	13	14	15	16
49	197Q1A0550	RAJURI RAJESHWARI	1	2	3	4	5	6	X	7	8	9	10	11	12	13	14	15	16	17
50	197Q1A0553	T SHIVA PRANEETH	1	2	3	4	5	6	7	8	9	10	11	12	13	X	14	15	16	17
51	197Q1A0554	TELKALAPALLY SRIKANTH	1	2	3	4	5	X	6	7	8	9	10	11	12	13	14	15	16	17

College Code: 7Q

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Department of Computer Science and Engineering
Add-On Program on Genetic Algorithms and its applications (Course Code:CS2002)
Course Coordinator: Mr. A.RAGHAVENDRA RAO

ATTENDANCE SHEET

Date: 10-10-2022 TO 01-11-2022

S NO	HT Number	Name of the Student	10-10-2022 / 1	11-10-2022 / 2	12-10-2022 / 3	13-10-2022 / 4	14-10-2022 / 5	15-10-2022 / 6	17-10-2022 / 7	18-10-2022 / 8	19-10-2022 / 9	20-10-2022 / 10	21-10-2022 / 11	22-10-2022 / 12	26-10-2022 / 13	27-10-2022 / 14	28-10-2022 / 15	29-10-2022 / 16	31-10-2022 / 17	01-11-2022 / 18
1	197Q1A0501	ABHILASH	1	2	3	4	5	6	7	8	9	10	11	X	12	13	14	15	16	17
2	197Q1A0502	ADE PAVAN	1	2	3	4	5	X	6	7	8	9	10	11	12	13	14	15	16	17
3	197Q1A0503	AMBORE MADHURI	1	2	3	4	5	6	7	X	8	9	10	11	12	13	14	15	16	17
4	197Q1A0504	ANKIREDDY PUJITHA	1	2	3	4	5	6	7	8	9	X	10	11	12	13	14	15	16	17
5	197Q1A0505	BALAGONI SRICHARAN	1	2	3	4	5	6	7	8	9	10	11	12	X	13	14	15	16	17
6	197Q1A0506	BHARATH SERVI	1	2	3	4	5	6	7	8	X	9	10	11	12	13	14	15	16	17
7	197Q1A0507	BUDIGIJANGAM SHIREESHA	1	2	3	4	5	6	X	7	8	9	X	10	11	12	13	14	15	16
8	197Q1A0508	CHERUKU SRUTHI	1	2	3	X	4	5	6	7	8	9	10	11	12	13	14	X	15	16
9	197Q1A0509	CHITTEM PAVAN KUMAR	1	2	3	4	5	6	7	8	9	10	X	11	12	13	X	14	15	16

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<u>Department of Computer Science and Engineering</u>

Date: 26-09-2022

(2022-2023)
Minutes of Meeting

A meeting was held on 26-09-2022 in CSE Department to discuss the following points:

1) Conduction of **Add on Program on Web Intelligence And It's Applications** for B.Tech III-I year, **Add on Program on Genetic Algorithms and its applications, Data Centric Networks** for IV-I year from 10-10-2022 TO 01-11-2022.

2) Coordinators of above programs has to collect the information of interested students and inform to them about Add-on Program.

3) **Mrs. Y. UMA** is nominated as coordinator for **Add on Program on Web Intelligence And It's Applications**, **Mr. A.RAGHAVENDRA RAO** is nominated as coordinator for the **Add on Program on Genetic Algorithms and its applications** and **Mrs. T. NEELIMA** is nominated as coordinator for the **Add on Program on Data Centric Networks,** they are instructed to prepare the design and Development of Curriculum for Add on program by 30-09-2022.

The following staff members were present for the meeting:

S.NO	Name of the faculty	Designation	Signature
1	Dr.D. PAVAN KUMAR(PROFESSOR)	HOD	
2	A.RAGHAVENDRA RAO	ASSOCIATE PROFESSOR	
3	B. DURGABHAVANI	Assistant Professor	DurgaBhavani
4	T. NEELIMA	Assistant Professor	T.Neelima
5	G.HARIKA	Assistant Professor	
6	Y. UMA	Assistant Professor	

DEPARTMENT ACADEMIC
COMMITTEE COORDINATOR

HOD
CSE

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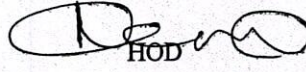DIRECTOR

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Department of Computer Science and Engineering
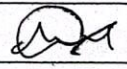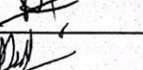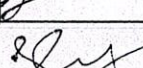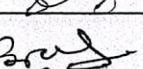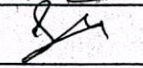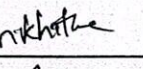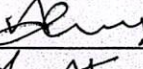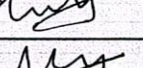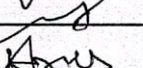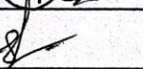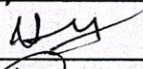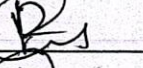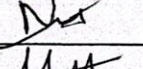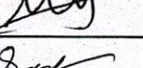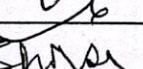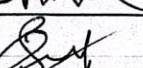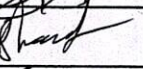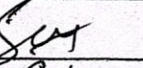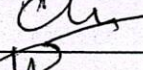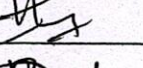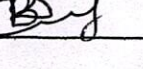
Add-On Program for IV Year (A.Y 2022-23)
Genetic Algorithms and its applications (Course Code:CS2202)
Student Registration List
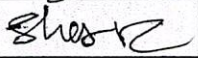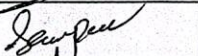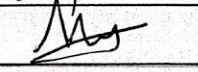
S NO	HT Number	Name of the Student	UG/PG	Signature
1	197Q1A0501	ABHILASH	B.Tech	
2	197Q1A0502	ADE PAVAN	B.Tech	
3	197Q1A0503	AMBORE MADHURI	B.Tech	
4	197Q1A0504	ANKIREDDY PUJITHA	B.Tech	
5	197Q1A0505	BALAGONI SRICHARAN	B.Tech	
6	197Q1A0506	BHARATH SERVI	B.Tech	
7	197Q1A0507	BUDIGIJANGAM SHIREESHA	B.Tech	
8	197Q1A0508	CHERUKU SRUTHI	B.Tech	
9	197Q1A0509	CHITTEM PAVAN KUMAR	B.Tech	
10	197Q1A0510	DARSHAPU ANUSHA	B.Tech	
11	197Q1A0511	G MOUNIKA	B.Tech	
12	197Q1A0512	GANDHAM MARUTHI	B.Tech	
13	197Q1A0513	GATLA SRAVAN KUMAR	B.Tech	
14	197Q1A0514	GORLA SRINIVAS SHASHANK YADAV	B.Tech	
15	197Q1A0515	GOVINDU TEJA SREE	B.Tech	
16	197Q1A0516	GUNASHETTI GANESH	B.Tech	
17	197Q1A0517	IRRINKI PAVAN SUKRAN	B.Tech	
18	197Q1A0518	ITHAGONI TEJASWINI	B.Tech	

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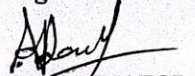
19	197Q1A0519	K BHARATH KUMAR	B.Tech	
20	197Q1A0520	K RAKESH	B.Tech	
21	197Q1A0521	KASAMSETTY VAASAVI	B.Tech	
22	197Q1A0522	KOUKUNTLA NIKHITHA	B.Tech	
23	197Q1A0523	KOUTA SNEHITH REDDY	B.Tech	
24	197Q1A0524	LIKKI MANISREE	B.Tech	
25	197Q1A0525	MADUPU BOBBY	B.Tech	
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28	197Q1A0528	MAREDU MURALIDHAR	B.Tech	
29	197Q1A0529	MAREPALLY RUTHVIKAS	B.Tech	
30	197Q1A0530	MARRI RAKESH	B.Tech	
31	197Q1A0531	MASOOD ABDUL RAHMAN	B.Tech	
32	197Q1A0532	MD AHMED ULLAH	B.Tech	
33	197Q1A0533	METTHALA NIKHIL KUMAR	B.Tech	
34	197Q1A0534	C HARIKRISHNA	B.Tech	
35	197Q1A0535	MUDDAGOUNI SAI RAKESH GOUD	B.Tech	
36	197Q1A0536	MUKKAMALLA ANUSHA	B.Tech	
37	197Q1A0537	MURGAN YASHWANTH	B.Tech	
38	197Q1A0538	NADIKUDA SAI RAHUL	B.Tech	
39	197Q1A0539	NAMEERA FATIMA	B.Tech	
40	197Q1A0541	P SAI KIRAN REDDY	B.Tech	
41	197Q1A0542	PADKANTIWAR YOGESH	B.Tech	
42	197Q1A0543	PAGIDIPATHI SRINIVAS GOUD	B.Tech	
43	197Q1A0544	PALIVELA SUSEEL KUMAR	B.Tech	
44	197Q1A0545	PANYALA VAISHNAVI	B.Tech	
45	197Q1A0546	PARKALA SINDHU	B.Tech	
46	197Q1A0547	PERAM SUSMITHA	B.Tech	

47	197Q1A0548	PETETI NAGAMALLESWARA RAO	B.Tech	
48	197Q1A0549	PETLA AKHILA	B.Tech	
49	197Q1A0550	RAJURI RAJESHWARI	B.Tech	
50	197Q1A0553	T SHIVA PRANEETH	B.Tech	
51	197Q1A0554	TELKALAPALLY SRIKANTH	B.Tech	
52	197Q1A0555	THANGELLA PRASANNA	B.Tech	
53	197Q1A0556	THIPPANI SANDHYA RANI	B.Tech	
54	197Q1A0557	THURPU NIKHITHA	B.Tech	
55	197Q1A0558	YADARAM AISHWARYA	B.Tech	
56	197Q1A0559	YALLA VANITHA	B.Tech	
57	197Q1A0560	YELTI NIKHIL REDDY	B.Tech	
58	197Q1A0561	KATAM VAMSHI KRISHNA	B.Tech	
59	197Q1A0562	AEPURI ARCHANA	B.Tech	
60	197Q1A0563	ANKIT PANDEY	B.Tech	
61	197Q1A0564	BATHUKA SHIVASHANKAR	B.Tech	
62	197Q1A0565	BEERLA HARISH	B.Tech	
63	197Q1A0566	BHUKYA RAJA	B.Tech	
64	197Q1A0567	BUDDY INDUMATHI	B.Tech	
65	197Q1A0569	CHITTEDI NAVYA	B.Tech	
66	197Q1A0570	DASARI RAMYA	B.Tech	
67	197Q1A0571	ETTABOINA VIJAY KUMAR	B.Tech	
68	197Q1A0572	GADDAM JAYA SAI SIVA REDDY	B.Tech	
69	197Q1A0574	GUNDETI SRAVYA RANI	B.Tech	
70	197Q1A0575	HAPPY SHARMA	B.Tech	
71	197Q1A0576	INDRALA SUSMITHA	B.Tech	
72	197Q1A0577	J CHATRAPATHI	B.Tech	
73	197Q1A0578	JAKKA HAMPI	B.Tech	
74	197Q1A0579	K.BHAVANI	B.Tech	
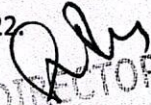
75	197Q1A0580	KANAKONDA SUDHEER KUMAR	B.Tech	
76	197Q1A0581	KATAM SAHAJA	B.Tech	
77	197Q1A0583	KUNTA MANI TEJA	B.Tech	
78	197Q1A0584	MACHKURI SAMPOORNA	B.Tech	
79	197Q1A0585	PULIGILLA NAVYA	B.Tech	

The above mentioned students of B.Tech CSE III Year have registered for Add on Program on **Genetic Algorithms and its applications** which will commence from 10-10-2022 TO 01-11-2022.

COORDINATOR   HOD   DIRECTOR

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Society's Group of Institutions (7Q)
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Add-on Program

On

PHARMACEUTICAL INDUSTRIES AND EDUCATIONAL INSTITUTIONS ROLE IN HEALTH CARE SYSTEM

Date: 16-02-2023 TO 11-03-2023.
Department Of Pharmacy 2022-23
Student Registration List – PHARMACY III YEAR

S.No	H.T. Number	Name of the Candidate	UG / PG	Signature of the student
1	207Q1R0051	VANI MAISAGARI	B.PHARMACY	Vani
2	207Q1R0052	VANKESHWARAM SWETHA	B.PHARMACY	Swetha
3	207Q1R0053	VARANASI KEERTHI	B.PHARMACY	Keerthi
4	207Q1R0054	AAMMAN MUSHI	B.PHARMACY	Mushi
5	207Q1R0055	ABDUL TANVEER	B.PHARMACY	Tanveer
6	207Q1R0056	AKHILA MEDABOINA	B.PHARMACY	Akila
7	207Q1R0057	ASFAQUE HOSSAIN	B.PHARMACY	Hossain
8	207Q1R0058	ASLAM SIDDIK MONDA	B.PHARMACY	Monda
9	207Q1R0059	BANDARI SRAVANI	B.PHARMACY	Sravani
10	207Q1R0060	FIRAZ HUSSAIN	B.PHARMACY	HUSSAIN
11	207Q1R0061	G PRANATHI GOUD	B.PHARMACY	Prasanthi
12	207Q1R0062	GADDALA NIKITHA	B.PHARMACY	Likitha
13	207Q1R0063	GORENTLA VEERESH	B.PHARMACY	Veeresh
14	207Q1R0064	GOTTEMUKKALA DIVYA	B.PHARMACY	Divya

College Code: 7Q

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

15	207Q1R0065	GOTTEMUKKALA NAVYA	B.PHARMACY	
16	207Q1R0066	GUDUGUNTLA SAIKUMAR	B.PHARMACY	
17	207Q1R0067	IRUMALLA VINAY	B.PHARMACY	
18	207Q1R0068	JESMIN AKTAR	B.PHARMACY	
19	207Q1R0069	K VAISHNAVI	B.PHARMACY	
20	207Q1R0070	KAPPALA SHIVA TEJA	B.PHARMACY	
21	207Q1R0071	KAVALI MANISHA	B.PHARMACY	
22	207Q1R0072	KHILLARE SAKSHI	B.PHARMACY	
23	207Q1R0073	LAYEK SARKAR	B.PHARMACY	
24	207Q1R0074	MANCHANALA SAI KIRAN	B.PHARMACY	
25	207Q1R0075	MANDURU SAIKIRAN	B.PHARMACY	
26	207Q1R0076	MARIYA FATIMA	B.PHARMACY	
27	207Q1R0077	MASUDUR RAHAMAN	B.PHARMACY	
28	207Q1R0078	MD ASIF	B.PHARMACY	
29	207Q1R0079	MD JAWEED ALAM	B.PHARMACY	
30	207Q1R0080	MD MAHFOOZ ALAM	B.PHARMACY	
31	207Q1R0081	MD SAHIR ALAM	B.PHARMACY	
32	207Q1R0082	MD SAJID KHAN	B.PHARMACY	
33	207Q1R0083	MD SALMAN	B.PHARMACY	
34	207Q1R0084	NAZMUL HOSSAN	B.PHARMACY	
35	207Q1R0085	NITESH KUMAR DUBEY	B.PHARMACY	
36	207Q1R0086	PATLAVATH AKHILA	B.PHARMACY	
37	207Q1R0087	POUDA JAHNU	B.PHARMACY	

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

38	207Q1R0088	PREETHI SARKAR	B.PHARMACY	
39	207Q1R0089	PULI VANDHANA	B.PHARMACY	
40	207Q1R0090	RAHIM SK	B.PHARMACY	
41	207Q1R0091	RAHUL PRASAD	B.PHARMACY	
42	207Q1R0092	RAJIBUL GAZI	B.PHARMACY	
43	207Q1R0093	RANJIT KUMAR SINGH	B.PHARMACY	
44	207Q1R0094	RAZEENA SULTANA	B.PHARMACY	
45	207Q1R0095	SHUVO SK	B.PHARMACY	
46	207Q1R0096	SK RAFIKUL	B.PHARMACY	
47	207Q1R0097	UDUTALA SWAPNA	B.PHARMACY	
48	207Q1R0098	ULIAS BISWAS	B.PHARMACY	
49	207Q1R0099	VADHYAVATH KURMI	B.PHARMACY	
50	207Q1R00A0	MOHAMMED SALMAN	B.PHARMACY	

The above mentioned students of **B.PHARMACY**.3rd year have registered for add on program on **PHARMACEUTICAL INDUSTRIES AND EDUCATIONAL INSTITUTIONS ROLE IN HEALTH CARE SYSTEM.** which will commence from **16-02-2023 TO 11-03-2023.** The students are informed to meet program coordinator **DR. K.MANGULAL** , Professor in **PHARMACY** department for further information.

PROGRAM COORDINATOR

PRINCIPAL
Principal
Brilliant Grammar School Educational
Society's Group of Institutions-IC
Abdullapur (Y), Abdullapurmet (M), R.R. Dist-501505

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 29-09-2022

CIRCULAR

ADD-ON PROGRAM FOR CSE III,IV YEAR STUDENTS

All the students of B. Tech (CSE) are informed that we are conducting **Add-On Programs** on **"Web Intelligence And It's Applications (Course Code:)"** for III-year, **Genetic Algorithms and its applications (course code :), Data Centric Networks** for IV year from **10-10-2022 TO 01-11-2022** from 4:00 PM to 6:00 PM for the benefit of the students to enhance their technical knowledge and skills.

The interested CSE students of all years have to contact the Program coordinators **Mrs. Y. UMA** for III year, **Mr. A.RAGHAVENDRA RAO, Mrs. T. NEELIMA** for IV Year Students further information on before 30-09-2022.

To
The HOD-CSE (To inform all the students of B. Tech (CSE)
Mrs. Y. UMA, Assistant Professor, CSE & III Year Program coordinator
Mr. A.RAGHAVENDRA RAO, Associate Professor, CSE &IV Year Program coordinator
Mrs. T. NEELIMA, Assistant Professor, CSE & IV Year Program coordinator
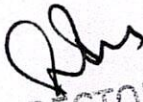
1. The Director, Academics
2. The Director, Administration
3. Vice Principal.
4. IQAC.

DIRECTOR-IC
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Society's Group of Institutions (7Q)
Abdullapur (V), Abdullapurmet (M), R.R. Dist-501505

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department of Computer Science and Engineering

DATE: 27-09-2022

To
M. PRABHAKAR,
ASSOCIATE PROFESSOR, CSE Dept.,
VGNT.

Sub:- Request for conducting the Add on Program on Genetic Algorithms and its applications for B.Tech (CSE) IV year students – Reg.

Respected Sir / Madam,

The Department of Computer Science & Engineeringis proposing to conduct an Add on Program on Genetic Algorithms and its applications for B.Tech. CSE - IV year students from 10-10-2022 TO 01-11-2022.

We request for your kind acceptance to conduct this program with the following details.

Branch	Topic	Date	Time	Resource Person
B.Tech(CSE) IV year	Genetic Algorithms and It's Applications	10-10-2022 TO 01-11-2022	4.00 – 6.00 P.M.	M. PRABHAKAR

Thanking You Sir

Signature of the resource person

DIRECTOR-IC

Yours Faithfully
Head of the Department
CSE

Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
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BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department of Computer Science and Engineering

Date: 28-09-2022

To
The Director,
Brilliant Grammar School Educational Society's Group of Institutions,
Abdullapur, Hyderabad - 501505.

Sub : - Request for the approval to conduct Add-On Program for B.Tech (CSE)
and Resource person allocation - Reg

Respected Sir,
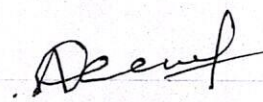
The Department of Computer Science and Engineering is proposing to conduct Add-On Program for B. Tech CSE III and IV year students on various Technologies in the month of October, 2022.

We request for your kind approval to conduct this program with the following details.

Branch	Topic	Date	Time	ResourcePerson
B.tech(CSE) III Year	Web Intelligence And It's Applications	10-10-2022 TO 01-11-2022	4.00 PM to 6.00 PM	Mr. V. RAMA KRISHNA
B.tech(CSE) IV Year	Genetic Algorithms and its applications	10-10-2022 TO 01-11-2022	4.00 PM to 6.00 PM	Mr. M. PRABHAKAR
B.tech(CSE) IV Year	Data Centric Networks	10-10-2022 TO 01-11-2022	4.00 PM to 6.00 PM	T. NEETHA

Thanking You.

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapur (V), Abdullapurmet (M), R.R. Dist-501505

Your's Faithfully

College Code: 7Q

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department of Computer Science and Engineering
Genetic Algorithms and its applications(Course Code:CS2202)
IV Year (A.Y 2022-23)
SYLLBUS

UNIT I

Pre-Requisite: Nil Introduction to Evolutionary Computation: Biological and artificial evolution, evolutionary computation and AI, different historical branches of EC, a simple genetic algorithm.

UNIT II

Search Operators: Crossover, mutation, crossover and mutation rates, Crossover for real-valued representations, mutation for real-valued representations, combinatorial GA, Selection Schemes: Fitness proportional selection and fitness scaling, ranking, tournament selection, selection pressure and its impact on evolutionary search.

UNIT III

Theoretical Analysis of Evolutionary Algorithms: Schema theorems, convergence of the algorithms, computational time complexity of the algorithms, no free lunch theorem.

UNIT IV

Search Operators and Representations: Mixing different search operators, adaptive representations. Niching and Speciation: Fitness sharing, crowding and mating restriction. Constraint Handling: Common techniques, penalty methods, repair methods, Deb's penalty parameter method.

UNIT V

Multiobjective evolutionary optimization: Pareto optimality, multi-objective evolutionary algorithms: MOGA, NSGA-II, etc. Applications of GA in engineering problems, job-shop scheduling and routing problems.

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Department of Computer Science and Engineering
ADD-ON PROGRAM for IV Year (A.Y 2022-23)
Genetic Algorithms and its applications (CS2202)

1. Introduction to Evolutionary Computation
2. Evolutionary computation and AI
3. Simple genetic algorithm
4. Search Operators: Crossover, mutation
5. Crossover for real-valued representations
6. Mutation for real-valued representations
7. Selection Schemes
8. Selection pressure and its impact on evolutionary search
9. Theoretical Analysis of Evolutionary Algorithms
10. Computational time complexity of the algorithms
11. Search Operators and Representations
12. Adaptive representations
13. Niching and Speciation
14. Crowding and mating restriction
15. Constraint Handling
16. Deb's penalty parameter method
17. Multiobjective evolutionary optimization
18. Multi-objective evolutionary algorithms

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Society's Group of Institutions (7Q)
Abdullapur (V), Abdullapurmet (M), R.R. Dist-501505

ORGANIZERS

CHIEF PATRON: Sri Kasi Reddy Narayana Reddy

PATRON: **Dr. S Peniel Paul Doss**

CONVENOR: Dr. D. Pavan Kumar

CO-ORDINATOR:Mr. A.RAGHAVENDRA RAO

MODE: OFFLINE

FOR REGISTRATION & FURTHER DETAILS:

DEPARTMENT OF **COMPUTER SCIENCE AND ENGINEERING**
BRILLIANT GRAMMER SCHOOL EDUCATIONAL SOCIETY'S GROUP OF INSTITUTION INTEGRATED CAMPUS,

Abdullapur , Abdullapurmet Mandal, Rangareedy Dist-501505

EMAIL: brigcse5@gmail.com

Contact:: 9505475990

ADD ON PROGRAMME ON
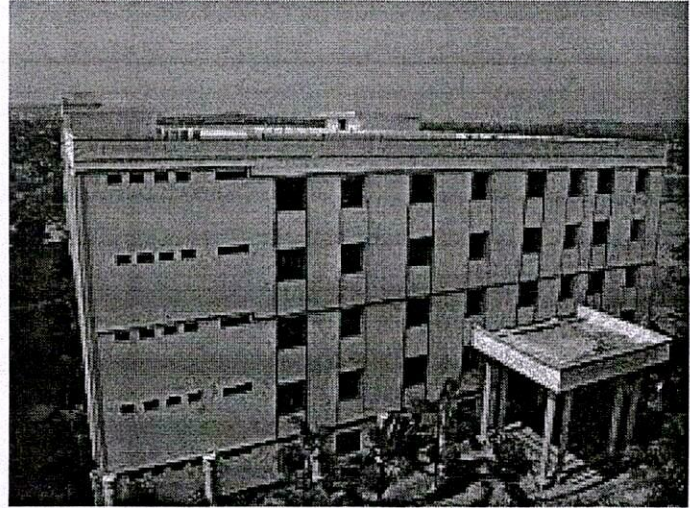
Genetic Algorithms and its applications

10-10-2022 TO 01-11-2022

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S

GROUP OF INSTITUTIONS – INTEGRATED CAMPUS

ABDULLAPUR, HAYATNAGAR, R.R. DISTRICT

RESOURSE PERSON:

M. PRABHAKAR

ASSOCIATE PROFESSOR, CSE Dept., VGNT.

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Abdullapur (V), Abdullapurmet (M), R.R. Dist-501505

ABOUT COLLEGE

Brilliant Grammar School Educational Society's Group of Institutions - Integrated Campus (Faculty of Engineering & Faculty of Pharmacy) is a highly reputed Institute, established in 2008 with EAMCET Counseling Code **BRIG**. The college is under the dynamic leadership of the veteran **Director, Dr. S PENIEL PAUL DOSS, M.Tech (Thermal Engg.), Ph.D** and **Principal, Dr. D. SATYAVATI, M.Pharm (Pharmacology), Ph.D**, who have more than 25 years of experience in Technical Education.

ABOUT THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering Department of grooms the young minds in both fundamentals of computation and computer's interaction with the world. Computer Science Engineers develop new algorithms, invent new systems and theories that empower people and society, and advance the science of computing around the world and beyond.

Our Vision

To be an eminent of center of excellence in the field of computer Science & Engineering, where teaching, learning and research synergize to deliver technical education and scientific research for public good.

Our Mission

To impart quality education to create efficient computer Science & Engineering who can compete at the global level.

To build State-of-the-art research facilities in computer Science & Engineering in order to enable the faculty and students to learn and disseminate knowledge and innovate in their applications.

To foster the spirit of entrepreneurship and encourage consultancy to enable all round personality development in students.
OBJECTIVES:

1. Genetic algorithms are commonly used to generate high-quality solutions to optimization.
2. Search problems by relying on biologically inspired operators such as mutation, crossover and selection

OUTCOMES

1) To optimize schedules and design products that range from large aircraft to tiny computer chips to medicines.
2) To analyze the data from satellites.
3) To learn Many applications for genetic algorithms in the financial sector, such as identifying fraud and predicting market fluctuations.

REGISTRATION FORM

A EIGHTEEN DAYS ADD ON PROGRAMME ON

Genetic Algorithms and its applications

10-10-2022 TO 01-11-2022

Name:Mr/Mrs: *Sruthi·C*

Designation: *Student*

Department: *CSE*

Adress: *A-9-12*
Hayath Nagar, Telangana
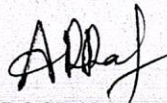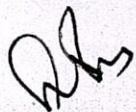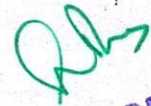
Mobile: *9231545820*

E-Mail: *Sruthi.5@gmail.com*

Signature: *Sd*

Date: *01/11/2022*

No.	Roll No.	Name																	
52	197Q1A0555	THANGELLA PRASANNA	1	2	3	4	5	6	7	X	8	9	10	11	12	13	14	15	16	17
53	197Q1A0556	THIPPANI SANDHYA RANI	1	2	X	3	4	5	6	7	8	9	10	11 X	12	13	14	15	16
54	197Q1A0557	THURPU NIKHITHA	1	2	3	4 X	5	6	7	8	9	10	11	12	13	14	15	16	17
55	197Q1A0558	YADARAM AISHWARYA	1	2	3	4	5	6	7	8	9	X	10	11	12	13	14	15	16	17
56	197Q1A0559	YALLA VANITHA	1	2	3	4	5	6	7	X	8	9	10	11	12	13	14	15	16	17
57	197Q1A0560	YELTI NIKHIL REDDY	1	2	3	4	5	6	7	8	9	10	11	12	13	X	14	15	16	17
58	197Q1A0561	KATAM VAMSHI KRISHNA	1	2	3	4	5	6	X	7	8	9	10	11	12	13	14	15	16	17
59	197Q1A0562	AEPURI ARCHANA	1	2	3	4	5	6	7	8	9	10	11	X	12	13	14	15	16	17
60	197Q1A0563	ANKIT PANDEY	1	2	3	4	5	6	X	7	8	9	10	11	12	13	14	15	16	17
61	197Q1A0564	BATHUKA SHIVASHANKAR	1	2	3	4	5	6	7	8	9	10	11	12	X	13	14	15	16	17
62	197Q1A0565	BEERLA HARISH	1	2	3	4	5	6	7	8	9	X	10	11	12	13	14	15	16	17
63	197Q1A0566	BHUKYA RAJA	1	2	3	X	4	5	6	7	8	9	10	X	11	12	13	14	15	16
64	197Q1A0567	BUDDY INDUMATHI	1	2	3	4	5	6	7	X	8	9	10	11	12	13	14	15	16	17
65	197Q1A0569	CHITTEDI NAVYA	1	2	3	4	5	6	7	8	9	10	X	11	12	13	14	15	16	17
66	197Q1A0570	DASARI RAMYA	1	2	3	X	4	5	6	7	8	9	10	11	12	13	14	15	16	17
67	197Q1A0571	ETTABOINA VIJAY KUMAR	1	2	3	4	5	6	X	7	8	9	10	11	12	13	14	15	16	17
68	197Q1A0572	GADDAM JAYA SAI SIVA REDDY	1	2	3	X	4	5	6	7	8	9	10	11	12	X	13	14	15	16
69	197Q1A0574	GUNDETI SRAVYA RANI	1	2	3	4	5	6	X	7	8	9	10	11	12	13	14	15	16	17
70	197Q1A0575	HAPPY SHARMA	1	2	3	4	5	6	7	8	9	10	X	11	12	13	14	X	15	16
71	197Q1A0576	INDRALA SUSMITHA	1	2	3	4	5 X	6	7	8	9	10	11	12	13	14	15	16	17
72	197Q1A0577	J CHATRAPATHI	1	2	3	4	5	6	7	8	X	9	10	11	12	13	14	15	16	17
73	197Q1A0578	JAKKA HAMPI	1	2	3	X	4	5	6	7	8	9	10	11	12	13	14	15	16	17
74	197Q1A0579	K.BHAVANI	1	2	3	4	5	6	7	8	9	10	11	12	13	X	14	15	16	17

S.No	Roll No	Name																			
75	197Q1A0580	KANAKONDA SUDHEER KUMAR	1	2	3	4	5	6	7	8	9	10	11	X	12	13	14	15	16	17
76	197Q1A0581	KATAM SAHAJA	1	2	X	3	4	5	6	7	8	9	10	11	12	X	13	14	15	16
77	197Q1A0583	KUNTA MANI TEJA	1	2	3	4	5	6	7	8	9	10	11	12	13	X	14	15	16	17
78	197Q1A0584	MACHKURI SAMPOORNA	1	2	3	4	5	6	7	8	9	10	11	X	12	13	14	15	16	17
79	197Q1A0585	PULIGILLA NAVYA	1	2	X	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

PROGRAM COORDINATOR   HOD   DIRECTOR-IC
DIRECTOR

Brilliant Grammar School Educational
Society's Group of Institutions (7Q)

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Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapur (V), Abd... R. Dist-501505

College Code: 7Q

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department of Computer Science and Engineering

Objective Exam on Add-On Program for IV Year (A.Y 2022-23)
Genetic Algorithms and its applications (Course Code:CS2202)

Name: ADE Pavan Hall Ticket
No:

Date: 01-11-2022

1	9	7	8	1	A	0	5	0	2

Answer all Questions.All Questions Carry Equal Marks. Time:20Min. 10Marks.

1.What is the primary mechanism by which Genitic algorithms simulate biological evolution?[D]

A) Mutation   B) Crossover   C)Selection   D) All of the above

2. In the context of Genetic Algorithms, what does fitness evaluation refer to?   [B]

A) Measuring the genetic diversity   B) Assessing how well a solution solves the problem

C) Selecting parents for reproduction   D) Introduction random changes in the population

3. Which of the following is NOT a typical application of Genetic Algorithims?   [C]

A)Optimization problems B) Neural networks training C)Sorting algorithms D)Scheduling tasks

4. What role does the crossover operation play in Genetic Algorithms?   [B]

A) It introduces mutations in the population.

B) It combines parts of two parent solutions to create offspring.

C) It selects the best individuals for the next generation.

D) It evaluates the fitness of the population.

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Abdullapur (V)

5. Which of the following parameters is crucial for the performance fo a Genetic Algorithm[C]

A) Population size B) Selection method C) Mutation rate D) All of the above

6. Which of the following best describes the concept of "elitism" in Genetic Algorithms?[B]

A) Rndomly selecting individuals for the next generation

B) Keeping a certain numberof the best individuals unchanged for the next generation

C) Introducing newa individuals to enhance diversity D) Evaluating all individuals equally

7. In a Genetic Algorithm, what is the purpose of the mutation operation?

[B]

A) To combine genetic information from two parents

B) To maintain diversity within the population by making random changes

C) To select the best individuals for reproduction   D) To eliminate poorly performing solutions

8. Which of the following statements about Genetic Algorithms is TRUE?

[C]

A) They guarantee finding the optimal solution every time.

B) They are deterministic and produce the same output each run.

C) They can handle multi-modal optimization problems effectively.

D) They require a fixed number of generations to converge.

9. In which area have Genetic Algorithms been successfully applied?

[D]

A) Stock market analysis B) Image processing C) Robotics and pathfinding D) All of the above

10. How does a Genetic Algorithm typically represent potential solutions?

[A]

A) As binary strings or arrays B) As decision trees C) As linear equations D) As graphs

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Department of Computer Science and Engineering

Objective Exam on Add-On Program for IV Year (A.Y 2022-23)
Genetic Algorithms and its applications (Course Code:CS2202)

9
10

Name: Sricharan Hall Ticket
No:

Date: 01-11-2022

1	9	7	Q	1	A	0	5	0	5

Answer all Questions.All Questions Carry Equal Marks. Time:20Min. 10Marks.

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Department of Computer Science and Engineering

Objective Exam on Add-On Program for IV Year (A.Y 2022-23)
Genetic Algorithms and its applications (Course Code:CS2202)

Date: 01-11-2022

Name: C. Sruthi Hall Ticket
No:

| l | 9 ? ? | 0 | l | A | 0 | 5 | 0 | 8 |

Answer all Questions.All Questions Carry Equal Marks. Time:20Min. 10Marks.

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department of Computer Science and Engineering

Objective Exam on Add-On Program for IV Year (A.Y 2022-23)
Genetic Algorithms and its applications (Course Code:CS2202)

Name: E. pavankumar Hall Ticket
No:

Date: 01-11-2022

1	9	7	2	1	A	0	5	0	9

Answer all Questions.All Questions Carry Equal Marks. Time:20Min. 10Marks.

1.What is the primary mechanism by which Genitic algorithms simulate biological evolution?[D]

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Department of Computer Science and Engineering

Objective Exam on Add-On Program for IV Year (A.Y 2022-23)
Genetic Algorithms and its applications (Course Code:CS2202)

Name: __Abhilash__ Hall Ticket

Date: 01-11-2022

8/10

No:

1	9	7	2	1	A	0	5	0	1

Answer all Questions. All Questions Carry Equal Marks. Time:20Min. 10Marks.

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Abdullapur (V), Abdullapurmet (M), R.R. Dist-501505

5. Which of the following parameters is crucial for the performance fo a Genetic Algorithm[ ] *D*

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Objective Exam on Add-On Program for IV Year (A.Y 2022-23)
Genetic Algorithms and its applications(Course Code:CS2202)

Key:

KEY :

1.D

2.B

3.C

4.B

5. D

6.B

7.B

8.C

9.D

10. A

Date:24-09-2020

SUMMARY REPORT

ADD-ON PROGRAM

Genetic Algorithms and its applications

The Add-on Program is successfully conducted at Brilliant Grammar School Educational Society's Group of Institutions, Abdullapurmet . The program was conducted from 10-10-2022 TO 01-11-2022 at CSE department, for the Academic Year 2022-23, for B. Tech students of IV Year from 04:00 PM to 06:00 PM daily on topic of "**Genetic Algorithms and its applications**" by the resource person **M. PRABHAKAR, ASSOCIATE PROFESSOR, CSE Dept.,**. Total **79** students were attended the program. Exam has been conducted to the students on the last day of the Program and feedback was collected from them. It has a high impact to improve the skills that can help the student in their career. I thank all faculty and students of BRIG-IC for their support to complete the program successfully and special thanks to the technical staff for their support. The detailed Brochure and photos are attached here with.

The outcome of the program on Genetic Algorithms and its applications:

By completing the course the students will be able:

1) To optimize schedules and design products that range from large aircraft to tiny computer chips to medicines.
2) To analyze the data from satellites.

3) To learn Many applications for genetic algorithms in the financial sector, such as identifying fraud and predicting market fluctuations.

Program Coordinator

Copy to:

1. The Director
2. IQAC

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501505

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Department of Computer Science and Engineering
Add-On Program for IVYear (A.Y 2022-23)
Genetic Algorithms and its applications
Syllabus Completion Report

S NO	TOPIC NAME	DATE OF COMPLETION	NUMBER OF STUDENTS PRESENT
1	Introduction to Evolutionary Computation	10-10-2022	75
2	Evolutionary computation and AI	11-10-2022	79
3	Simple genetic algorithm	12-10-2022	69
4	Search Operators: Crossover, mutation	13-10-2022	72
5	Crossover for real-valued representations	14-10-2022	78
6	Mutation for real-valued representations	15-10-2022	69
7	Selection Schemes	17-10-2022	69
8	Selection pressure and its impact on evolutionary search	18-10-2022	77
9	Theoretical Analysis of Evolutionary Algorithms	19-10-2022	78
10	Computational time complexity of the algorithms	20-10-2022	79
11	Search Operators and Representations	21-10-2022	74
12	Adaptive representations	22-10-2022	78
13	Niching and Speciation	26-10-2022	77
14	Crowding and mating restriction	27-10-2022	76
15	Constraint Handling	28-10-2022	79
16	Deb's penalty parameter method	29-10-2022	78
17	Multiobjective evolutionary optimization	31-10-2022	76
18	Multi-objective evolutionary algorithms	01-11-2022	71

PROGRAMME COORDINATOR

Head of the Department
Computer Science & Engineering

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
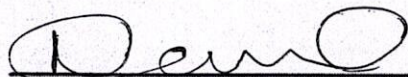Abdullapur AA...   R.R Dist-501505

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Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

Department of Computer Science and Engineering

APPRECIATION CERTIFICATE

his is to Certify that Dr./Mr./Ms. _____ **M. PRABHAKAR** _____

esignation: **ASSOCIATE PROFESSOR** _____ of Department of Computer Science and Engineering has rganized 3 week ADD ON PROGRAMME on **Genetic Algorithms and its applications** Organized by CSE Department from 10-10-2022 TO 01-11-2022.

Dr. D. Pavan kumar
HOD,CSE Department

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapur (M), Abdullapurmet (M), R.R. Dist-501505

Dr. PENIEL PAULDOS
Director

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Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

Department of Computer Science and Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. _T SHIVA PRANEETH_

Bearing H.T.NO: _197Q1A0553_ of CSE Department has participated in 3 week ADD ON-PROGRAMME on **Genetic Algorithms and its applications** Organized by CSE Department from 10-10-2022 TO 01-11-2022.

DIRECTOR-IC
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Society's Group of Institutions (7Q)
Abdullapur (V),

Mr. A.RAGHAVENDRA RAO
Program Coordinator

Dr. D. Pavan kumar
HOD, CSE Department

Dr. Peniel Pauldoss
DIRECTOR

a) An entirely resistive load   b) An entirely inductive load

c) Perfectly balanced loads   d) A purely capacitive load

9. Which type of load typically requires more reactive power compensation?   [a]

   a) Industrial motors   b) Incandescent lighting   c) Electronic devices d) Heating elements

10. What is the main benefit of effective reactive power management in a power system?   [b]

   a) Reduced energy consumption   b) Improved power quality

   c) Lower transmission line losses   d) Increased voltage levels

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Department of Computer Science and Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. PETLA AKHILA

Bearing H.T.NO: 19781A0549 of CSE Department has participated in 3 week ADD ON-PROGRAMME on **Genetic Algorithms and its applications** Organized by CSE Department from 10-10-2022 TO 01-11-2022 .

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Abdullapur (V)

Mr. A.RAGHAVENDRA RAO
Program Coordinator

Dr. D. Pavan kumar
HOD, CSE Department

Dr. Peniel Pauldoss
DIRECTOR

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Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

Department of Computer Science and Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. __YALLA VANITHA__

Bearing H.T.NO: __197Q1A05 59__ of CSE Department has participated in 3 week ADD ON-PROGRAMME on **Genetic Algorithms and its applications** Organized by CSE Department from 10-10-2022 TO 01-11-2022 .

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Mr. A.RAGHAVENDRA RAO
Program Coordinator

Dr. D. Pavan kumar
HOD, CSE Department

Dr. Peniel Pauldoss
DIRECTOR

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PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. YELTI NIKHIL REDDY

Bearing H.T.NO: 197R1A0560 of CSE Department has participated in 3 week ADD ON-PROGRAMME on **Genetic Algorithms and its applications** Organized by CSE Department from 10-10-2022 TO 01-11-2022.

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Mr. A.RAGHAVENDRA RAO
Program Coordinator

Dr. D. Pavan kumar
HOD, CSE Department

Dr. Peniel Pauldoss
DIRECTOR

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Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

Department of Computer Science and Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. BEERA HARISH

Bearing H.T.NO: 197Q1A0565 of CSE Department has participated in 3 week ADD ON-PROGRAMME on **Genetic Algorithms and its applications** Organized by CSE Department from 10-10-2022 TO 01-11-2022.

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Mr. A.RAGHAVENDRA RAO
Program Coordinator

Dr. D. Pavan kumar
HOD, CSE Department

Dr. Peniel Pauldoss
DIRECTOR

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department Of Computer Science & Engineering

Add-On Program on Genetic Algorithms and its applications (Course Code:CS2202)

Course Coordinator: Mr. A.RAGHAVENDRA RAO

Date: 10-10-2022 TO 01-11-2022

Student Feedback

I, **BHUKYA RAJA** bearing Hall Ticket No: **19 7Q1 A0 56** Student of CSE(B.tech/M.Tech) have attended the Add-on Program on **Genetic Algorithms and its applications** with course code CS002 from **10-10-2022 TO 01-11-2022.**

S NO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program Enhance your knowledge?	✓				
2	Effectiveness of the Speaker in terms of technical content		✓			
3	Speaker's Level of command on the topic			✓		
4	Effectiveness of the Speaker in terms of Communication					✓
5	Level of Interaction			✓		
	Overall Rating				✓	

Date: 01-11-2022

Signature of the Student

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Brilliant Grammar School Educational
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department Of Computer Science & Engineering

Add-On Program on Genetic Algorithms and its applications **(Course Code:CS2202)**
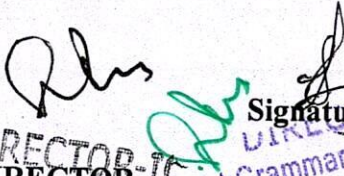
Course Coordinator: **Mr. A.RAGHAVENDRA RAO**

Date: 10-10-2022 TO 01-11-2022

Student Feedback

I, **PULIGILLA NAVYA** bearing Hall Ticket No: **197Q1A0585** student of CSE(B.tech/M.Tech) have attended the Add-on Program on **Genetic Algorithms and its applications** with course code CS002 from **10-10-2022 TO 01-11-2022**.

S NO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program Enhance your knowledge?	✓				
2	Effectiveness of the Speaker in terms of technical content		✓			
3	Speaker's Level of command on the topic				✓	
4	Effectiveness of the Speaker in terms of Communication		✓			
5	Level of Interaction					✓
	Overall Rating			✓		

DIRECTOR-IC

Date: 01-11-2022 Brilliant Grammar School Educational Signature of the Student
Society's Group of Institutions (7Q)
DIRECTOR R. Dist-501505

Department Of Computer Science & Engineering

Add-On Program on Genetic Algorithms and its applications **(Course Code:CS2202)**

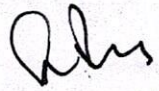Course Coordinator: **Mr. A.RAGHAVENDRA RAO**
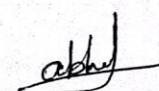
Date: 10-10-2022 TO 01-11-2022

Student Feedback

I, MACHKURI SAMPOORNA bearing Hall Ticket No: 197GIA0584 student of CSE(B.tech/M.Tech) have attended the Add-on Program on **Genetic Algorithms and its applications** with course code CS002 from **10-10-2022 TO 01-11-2022.**

S NO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program Enhance your knowledge?	✓				
2	Effectiveness of the Speaker in terms of technical content		✓			
3	Speaker's Level of command on the topic				✓	
4	Effectiveness of the Speaker in terms of Communication					✓
5	Level of Interaction			✓		
	Overall Rating		✓			

Date: 01-11-2022

Signature of the Student

DIRECTOR-IC.
DIRECTOR
Brilliant Grammar School Educational
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Department Of Computer Science & Engineering

Add-On Program on Genetic Algorithms and its applications (Course Code:CS2202)

Course Coordinator: Mr. A.RAGHAVENDRA RAO

Date: 10-10-2022 TO 01-11-2022

Student Feedback

I, _____ABHILASH_____ bearing Hall Ticket No: _197Q1A0501_ student
of CSE(B.tech/M.Tech) have attended the Add-on Program on **Genetic Algorithms and its applications** with course code **CS002** from **10-10-2022 TO 01-11-2022**.

S NO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program Enhance your knowledge?		✓			
2	Effectiveness of the Speaker in terms of technical content			✓		
3	Speaker's Level of command on the topic					✓
4	Effectiveness of the Speaker in terms of Communication				✓	
5	Level of Interaction	✓				
	Overall Rating			✓		

Date: 01-11-2022

DIRECTOR-IC

Signature of the Student

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Department Of Computer Science & Engineering

Add-On Program on Genetic Algorithms and its applications (Course Code:CS2202)

Course Coordinator: **Mr. A.RAGHAVENDRA RAO**

Date: 10-10-2022 TO 01-11-2022

Student Feedback

I, _G. mounika_ bearing Hall Ticket No: _19 7Q1A051_ student
of CSE(B.tech/M.Tech) have attended the Add-on Program on **Genetic Algorithms and its applications** with course code CS002 from **10-10-2022 TO 01-11-2022**.

S NO	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program Enhance your knowledge?	✓				
2	Effectiveness of the Speaker in terms of technical content			✓		
3	Speaker's Level of command on the topic		✓			
4	Effectiveness of the Speaker in terms of Communication				✓	
5	Level of Interaction					✓
	Overall Rating		✓			

Date: 01-11-2022

DIRECTOR-IC   Signature of the Student

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DEPARTMENT OF ELECTRICAL AND ELCTRONICS ENGINEERING
Objective Exam ADD-ON PROGRAM FOR IV YEAR A.Y: 2022-23
REACTIVE POWER COMPENSATION AND MANAGEMENT (COURSE CODE:EEE03)

Exam date:

Name: M. Rakeeh   H.T NO | 1 | 9 | 7 | Q | 1 | A | 0 | 2 | 1 | 7 |

Answer All Questions. All Questions Carry Equal Marks.   Time: 20 Min. Marks: 10

1. What is the primary function of reactive power compensation in an electrical power system?   [a]
   a) To improve power factor   b) To increase active power generation
   c) To reduce voltage levels   d) To minimize transmission losses

2. Which device is commonly used for static reactive power compensation in power systems?   [b]
   a) Transformers   b) Capacitors   c) Generators   d) Circuit breakers

3. Which of the following is a measure of the effectiveness of reactive power compensation in improving power factor?   [C]
   a) Apparent power   b) Real power   c) Power factor angle   d) Reactive power

4. In a capacitive power factor correction system, how does the power factor angle change after compensation?   [b]
   a) It increases   b) It decreases   c) It remains the same   d) It becomes negative

5. When is overcompensation of reactive power a concern in power systems?   [C]
   a) It is never a concern   b) During light load conditions
   c) During heavy load conditions d) During balanced load conditions

6. What is the unit of measurement for reactive power?   [C]
   a) Watts (W)   b) Volt-amperes (VA)   c) Volt-amperes reactive (VAR)   d) Hertz (Hz)

7. Which of the following devices is used for dynamic reactive power compensation and voltage regulation?   [a]
   a) Synchronous condenser   b) Surge protector
   c) Power factor relay   d) Distribution transformer

8. What does a power factor of 1 indicate?   [C]

a) An entirely resistive load   b) An entirely inductive load

c) Perfectly balanced loads   d) A purely capacitive load

9. Which type of load typically requires more reactive power compensation?   [   ]

    a) Industrial motors   b) Incandescent lighting   c) Electronic devices   d) Heating elements

10. What is the main benefit of effective reactive power management in a power system?   [   ]

    a) Reduced energy consumption   b) Improved power quality

    c) Lower transmission line losses   d) Increased voltage levels

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DEPARTMENT OF ELECTRICAL AND ELCTRONICS ENGINEERING

Objective Exam ADD-ON PROGRAM FOR IV YEAR A.Y: 2022-23

REACTIVE POWER COMPENSATION AND MANAGEMENT (COURSE CODE:EEE03)

Key:

1. A

2. B

3. C

4. B

5. C

6. C

7. A

8. C

9. A

10. B

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Add on Program

On

Reactive Power Compensation and Management (EEE03)

06-12-2022 to 27-12-2022

Department of Electrical and Electronics Engineering 2022-2023

Student Registration List EEE IV Year
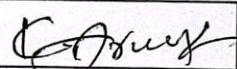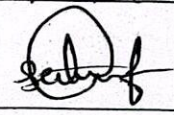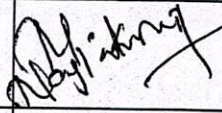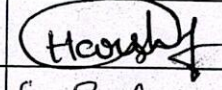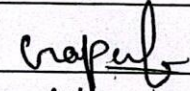
SI.NO	H.T NO	NAME OF THE STUDENT	UG/PG	SIGNATURE
1	187Q1A0214	NALAGONDLA BHAGAVAN	B.TECH	N. BHAGAVAN
2	187Q5A0214	CHILKUR SAIKUMAR	B.TECH	C. Saikumar
3	197Q1A0201	AMBATI RAJASHEKAR	B.TECH	
4	197Q1A0202	BODDIREDDY SAI CHARAN	B.TECH	B. SAI CHARAN
5	197Q1A0203	SHIRISHADHANAVATH	B.TECH	Shirisha
6	197Q1A0204	GUNDAMPALLY ABHINAY	B.TECH	
7	197Q1A0205	JADI.RAJESHWARI	B.TECH	J. Rajeshwari
8	197Q1A0206	KESHAVAINA VAMSHI KRISHNA	B.TECH	
9	197Q1A0208	KODARI ANILKUMAR	B.TECH	k. Anil kumar
10	197Q1A0209	KOMMU RAMESH	B.TECH	K Ramesh
11	197Q1A0210	KONITTI ARCHANA	B.TECH	K. ARCHANA
12	197Q1A0211	MADISHETTI PRIYANKA SOUMYA	B.TECH	M. Priyanka Soumya
13	197Q1A0212	MALLIKANTI PAVAN KUMAR	B.TECH	

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14	197Q1A0216	BORADA AKHIL	B.TECH	AKHIL
15	197Q1A0217	MAMINDLA RAKESH	B.TECH	Rakesh.
16	197Q1A0218	MALA NANDHU	B.TECH	Nandhu.M
17	207Q5A0201	A JITHENDER KUMAR	B.TECH	
18	207Q5A0202	A.PAVAN KUMAR REDDY	B.TECH	
19	207Q5A0203	ABBANABOINA KARTHIKEYA	B.TECH	A. Karthikeya
20	207Q5A0204	AKULA VAMSHI	B.TECH	A.Vamshi
21	207Q5A0205	ANAPURAM LALUPRASAD	B.TECH	Lalu
22	207Q5A0206	B KARTHIK REDDY	B.TECH	karthik Reddy
23	207Q5A0207	SRAVANI BEJINI	B.TECH	
24	207Q5A0208	BANOTHU SANDEEP	B.TECH	B. Sandeep.
25	207Q5A0209	B OBUL	B.TECH	B OBUL
26	207Q5A0210	BHUTPURU VAMSHI KUMAR	B.TECH	B. Vamshi kumar.
27	207Q5A0211	C SHIVA NAIK	B.TECH	C.Shivanaik
28	207Q5A0212	CHINTHALA GOWTHAM KUMAR	B.TECH	Gowtham kumar
29	207Q5A0213	DEVI GANESH DEVI	B.TECH	Ganesh Devi
30	207Q5A0215	GUGGILLA SRAVAN TEJA	B.TECH	G.Sravan Teja
31	207Q5A0216	J PAVAN KUMAR	B.TECH	J.Pavan kumar
32	207Q5A0217	J AJAY KUMAR	B.TECH	
33	207Q5A0218	JALANEELA RAMAKRISHNA	B.TECH	
34	207Q5A0219	K SRAVANI	B.TECH	Sravani
35	207Q5A0220	K GUNAKAR	B.TECH	Gunakar

36	207Q5A0221	K ARUN KUMAR	B.TECH	
37	207Q5A0222	K PRAVEEN KUMAR	B.TECH	
38	207Q5A0223	KSHATRIYA SAI JAGATH SINGH	B.TECH	
39	207Q5A0224	LAVOORI VAMSHI	B.TECH	
40	207Q5A0225	M MALLIKARJUN	B.TECH	
41	207Q5A0226	M SAI KIRAN	B.TECH	
42	207Q5A0227	M VINAY KUMAR	B.TECH	
43	207Q5A0228	MARAGONI NAGALAKSHMI	B.TECH	
44	207Q5A0229	MOHAMMED JAHANGIR	B.TECH	
45	207Q5A0230	MOKALLA MEGHANA	B.TECH	
46	207Q5A0231	SPARGEON PALLE	B.TECH	
47	207Q5A0232	P RAJESH	B.TECH	
48	207Q5A0233	R ROHINI	B.TECH	
49	207Q5A0234	RAJELLI SHIREESHA	B.TECH	
50	207Q5A0235	RANGU HARISH	B.TECH	
51	207Q5A0236	SETTI BHARGAVI	B.TECH	
52	207Q5A0237	SHAIK KHASIM	B.TECH	
53	207Q5A0238	SIKKILE RONITH ROY	B.TECH	
54	207Q5A0239	S ABHINASH	B.TECH	
55	207QA50240	VADDAMANU GOPAL	B.TECH	
56	207QA50241	VELPULA ADARSH	B.TECH	
57	207Q5A0242	VEMULA SAI VARSHINI PRIYANKA	B.TECH	
58	207Q5A0243	VENKATESH	B.TECH	

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The above mentioned students of B.Tech IV year have registered for add on program on Reactive Power Compensation and Management which will commence from   **06-12-2022 to 27-12-2022.**

The student are informed to meet program coordinator: **Mr. B PARADHA SARADHI,** Associate Professor in **EEE Department**. For further information.

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date : 27-12-2022

Department of Electrical and Electronics Engineering

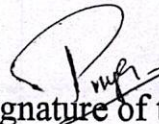## Add-on Program

Reactive Power Compensation And Management

Student Feedback Form

I ..M. Rakesh........bearing Hall Ticket No..197Q1A0211t.. student of EEE (B.Tech)
III Year have attended Add-On program on Reactive Power Compensation and Management
with course code **EEE-03, From 06-12-2022 to 27-12-2022.**

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic	✓				
4	Effectiveness of the speaker in terms of Communication		✓			
5	Level of Interaction	✓				
	Overall Rating	✓				

Date: 27/12/2022

Rakesh
Signature of the student

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date : 27-12-2022

Department of Electrical and Electronics Engineering

Add-on Program

Reactive Power Compensation And Management

Student Feedback Form

I M. priyanka. Soumya bearing Hall Ticket No. 19721A0211... student of EEE (B.Tech)
III Year have attended Add-On program on Reactive Power Compensation and Management
with course code **EEE-03, From 06-12-2022 to 27-12-2022.**

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?		✓			
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic		✓			
4	Effectiveness of the speaker in terms of Communication		✓			
5	Level of Interaction		✓			
	Overall Rating	✓				

Date: 27/12/2022

Signature of the student

DIRECTOR-IC
Brilliant Grammar School Educational
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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date : 27-12-2022

Department of Electrical and Electronics Engineering

Add-on Program

Reactive Power Compensation And Management

Student Feedback Form

I ..K. Ramesh..........bearing Hall Ticket No..19.T.Q1A0209.. student of EEE (B.Tech) III Year have attended Add-On program on Reactive Power Compensation and Management with course code **EEE-03, From 06-12-2022 to 27-12-2022.**

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic	✓				
4	Effectiveness of the speaker in terms of Communication	✓	✓			
5	Level of Interaction		✓			
	Overall Rating	✓				

Date: 27/12/2022

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Abdullapurmet (V&M), R.R. Dist-501 505

Signature of the student

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website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date : 27-12-2022

Department of Electrical and Electronics Engineering

Add-on Program

Reactive Power Compensation And Management

Student Feedback Form

I .K. Vamshi Krishna...bearing Hall Ticket No...19701A0206. student of EEE (B.Tech)
III Year have attended Add-On program on Reactive Power Compensation and Management
with course code **EEE-03, From 06-12-2022 to 27-12-2022.**

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content	✓				
3	Speaker's Level of Command on the Topic		✓			
4	Effectiveness of the speaker in terms of Communication	✓				
5	Level of Interaction		✓			
	Overall Rating	✓				

Date: 27/12/2022

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapurmet (V&M), R.R Dist 501 50

Signature of the student

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
GROUP OF INSTITUTIONS-INTEGRATED CAMPUS
(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)
Abdullapur (V), Abdullapurmet (M), R.R Dt. Hyderabad – 501505
website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date : 27-12-2022

Department of Electrical and Electronics Engineering

Add-on Program

Reactive Power Compensation And Management

Student Feedback Form

I Chilkur Saikumar bearing Hall Ticket No. 18.7Q.5A.0214. student of EEE (B.Tech)
III Year have attended Add-On program on Reactive Power Compensation and Management
with course code **EEE-03, From 06-12-2022 to 27-12-2022.**

S.No.	Course Program	Excellent (5)	Very Good (4)	Good (3)	Satisfactory (2)	Poor (1)
1	Does the Program enhance your knowledge?	✓				
2	Effectiveness of the speaker in terms of technical content		✓			
3	Speaker's Level of Command on the Topic		✓			
4	Effectiveness of the speaker in terms of Communication		✓			
5	Level of Interaction		✓			
	Overall Rating		✓			

Date: 27/12/2022

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapurmet (V&M), R.R. Dist-501 505

Signature of the student

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
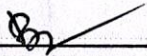# GROUP OF INSTITUTIONS-INTEGRATED CAMPUS

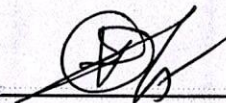**Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505**

Department of Electrical and Electronics Engineering

APPRECIATION CERTIFICATE

This is to Certify that Dr./Mr./Ms. _____D RAMESH_____

Designation: _ASSOCIATE PROFESSOR_____ of Department of Electrical and Electronics Engineering

has organized 3 week **ADD ON PROGRAMME** on Reactive Power Compensation and Management Organized by EEE Department from 06-12-2022 to 27-12-2022.

Mr. K LALAIAH
HOD, EEE Department

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7C)
Abdullapurmet (V&M), R.R. Dist 501 505

Dr. S.Peniel Pauldoss
Director

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROU
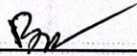## OF INSTITUTIONS-INTEGRATED CAMPUS
Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

Department of Electrical and Electronics Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. __M. priyanka Soumya__

Bearing H.T.NO: __197814D211__ of EEE Department has participated in 3 week *ADD O.*

PROGRAMME on **Reactive Power Compensation and Management** Organized by EEE Department from

06-12-2022 to 27-12-2022.

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (70)
Abdullapurmet (V&M), R.R. Dist-501 505

Mr. B PARADHA SARADHI
Program Coordinator

K LALAIAH
HOD, EEE Department

Dr. Peniel Pauldoss
DIRECTOR

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROU
OF INSTITUTIONS-INTEGRATED CAMPUS
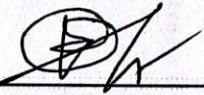Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

Department of Electrical and Electronics Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. K. Ramesh

Bearing H.T.NO: 19701A0209 of EEE Department has participated in 3 week *ADD O*

PROGRAMME on **Reactive Power Compensation and Management** Organized by EEE Department fron

06-12-2022 to 27-12-2022.

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapurmet (V&M), R.R. Dist-501 505

Mr. B PARADHA SARADHI
Program Coordinator

K LALAIAH
HOD, EEE Department

Dr. Peniel Pauldoss
DIRECTOR

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROUP OF INSTITUTIONS-INTEGRATED CAMPUS
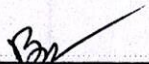
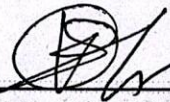Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

Department of Electrical and Electronics Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. K. Vamshi krishna

Bearing H.T.NO: 19701AD206 of EEE Department has participated in 3 week ADD O

PROGRAMME on **Reactive Power Compensation and Management** Organized by EEE Department from 06-12-2022 to 27-12-2022.

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (70)
Abdullapurmet (V&M), R.R. Dist 501 50

Mr. B PARADHA SARADHI
Program Coordinator

K LALAIAH
HOD, EEE Department

Dr. Peniel Pauldoss
DIRECTOR

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S GROU
OF INSTITUTIONS-INTEGRATED CAMPUS
Abdullapurmet (V), Hayath Nagar (M), R.R Dt. Hyderabad – 501505

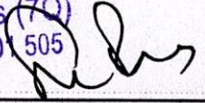## Department of Electrical and Electronics Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. __C. Saikumar__

Bearing H.T.NO: __18705A0214__ of EEE Department has participated in 3 week *ADD O*

PROGRAMME on **Reactive Power Compensation and Management** Organized by EEE Department fron

06-12-2022 to 27-12-2022.

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapurmet (V&M), R.R. Dist-50 505

Mr. B PARADHA SARADHI
Program Coordinator

K LALAIAH
HOD, EEE Department

Dr. Peniel Pauldoss
DIRECTOR

Department of Electrical and Electronics Engineering

PARTICIPATION CERTIFICATE

This is to Certify that Mr./Ms. ___M. Rakesh___

Bearing H.T.NO: ___19701A0217___ of EEE Department has participated in 3 week *ADD O.*

PROGRAMME on **Reactive Power Compensation and Management** Organized by EEE Department from

06-12-2022 to 27-12-2022.

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (TQ)
Abdullapurmet (V&M), R.R. Dist-501 505

Mr. B PARADHA SARADHI
Program Coordinator

K LALAIAH
HOD, EEE Department

Dr. Peniel Pauldoss
DIRECTOR

College Code: 7Q

BRILLIANT GRAMMAR SCHOOL EDUCATIONAL SOCIETY'S
GROUP OF INSTITUTIONS-INTEGRATED CAMPUS
(Approved by A.I.C.T.E & P.C.I, New Delhi, Affiliated to JNTUH, Hyderabad)
Abdullapur (V), Abdullapurmet (M), R.R Dt. Hyderabad – 501505
website: www.bgiic.ac.in, E-mail : principal@bgiic.ac.in,principal.7q@gmail.com Cell:9442263457

Date: 27-12-2022.

SUMMARY REPORT

ON

ADD-ON PROGRAM

REACTIVE POWER COMPENSATION AND MANAGEMENT (EEE03)

The Add-on Program is successfully conducted at Brilliant Grammar School Educational Society's Group of Institutions, Abdullapurmet . The program was conducted from **06-12-2022 to 27-12-2022.** at EEE department, for the Academic Year 2022-23. This program was conducted for all the B. Tech students of IV Year during the Academic Year 2022-23 from 04:00 PM to 06:00 PM daily on topic of "**Reactive Power Compensation and Management (EEE03)**" by the resource person Mr. **D RAMESH**, Associate Professor BRIG-IC. Total-58 students attended the program. Exam was conducted to the students on the last of the Program and feedback was collected from them. It has a high impact to improve the skills that can help the student in their career. I thank all faculty and students of BRIG-IC. for their support to complete the program successfully and special thanks to the technical staff for their support. The detailed Brochure and photos are attached here with.

The outcome of the program Reactive Power Compensation and Management was:

1. Analyze the relationship between power factor and reactive power.
2. Describe methods to improve power factor in electrical systems.
3. Evaluate the advantages and disadvantages of various reactive power compensation techniques, such as capacitor banks, synchronous condensers, and static VAR compensators (SVCs).
4. Understand the impact of reactive power on voltage regulation in power systems.
5. Explain the role of voltage regulators and tap changers in maintaining system voltage within acceptable limits.
6. Understand the challenges and solutions for integrating reactive power compensation into the electrical grid.

Program Coordinator

Event Coordinator
Brilliant Grammar School
Educational Society's Group
of Institutions-Integrated Campus (7Q)
Abdullapur (V), Abdullapurmet (M),
R.R. Dist-501505.

Copy to:

1. The Director
2. IQAC

DIRECTOR-IC
Brilliant Grammar School Educational
Society's Group of Institutions (7Q)
Abdullapurmet (V&M), R.R. Dist-501 505