NEW HORIZON COLLEGE OF ENGINEERING

POLICY ON PEER GROUP LEARNING SUPPORT / REMEDIAL / ADDITIONAL SUPPORT FOR LEARNING

1. **Introduction.**

   New Horizon College of Engineering (NHCE) is committed to fostering an inclusive and supportive learning environment. This policy outlines the framework for peer group learning support, remedial education, and additional academic assistance to help students achieve their academic potential.

2. **Objectives**

   - To provide structured peer learning support for students requiring academic assistance.
   - To offer remedial sessions for students struggling with core subjects.
   - To enhance learning outcomes through additional academic support programs.
   - To create a collaborative and inclusive academic environment.

3. **Scope**

   This policy applies to all undergraduate and postgraduate students at NHCE who require additional learning support, including academically weaker students, students from diverse educational backgrounds, and those facing difficulties in specific subjects.

4. **Implementation Guidelines**

   ### 4.1 Peer Group Learning Support

   - Senior students or academically proficient peers will be selected as peer mentors.
   - Peer learning sessions will be conducted in small groups under faculty supervision.
   - Study groups will be formed for subjects where students commonly face difficulties.
   - Attendance and progress of students in peer learning programs will be monitored.

   ### 4.2 Remedial Classes

   - Remedial classes will be offered for students identified as needing additional academic support.
   - Faculty members will design special learning modules and conduct extra sessions.
   - Remedial classes will focus on fundamental concepts, problem-solving, and exam preparation.
   - Regular assessments will be conducted to track progress.

4.3 Additional Learning Support

- Faculty will provide extra guidance through one-on-one mentoring sessions.
- Online resources, recorded lectures, and self-paced learning materials will be made available.
- Bridge courses will be conducted for students who need to strengthen their foundational knowledge.
- Counselling and academic advising services will be provided as needed.

4.4 Methodology to Support Advanced Learners

Advanced learners are identified based on their class performances, involvement in classroom activities, internal assessments, and grades. The following facilities are available to help bright students apply their learning on various platforms:

- Involve fast learners for peer tutoring the slow learners.
- Students are motivated to take up value-added courses, MOOC, and e-learning courses.
- Students are given opportunities to take up study-abroad programs for one semester.
- Encourage students to do open-ended or challenging lab-based experiments.
- Students are motivated to take up competitive exams like GATE, GRE, TOEFL, IELTS, CAT, PGCET, etc.
- Students are encouraged to become members of professional bodies like ISTE, IEEE, and MTS and organize technical events.
- Bright and diligent students are mentored and inspired to achieve top ranks in their SEE and in competitive examinations.
- Bright students are encouraged to participate in symposia, workshops, and seminars at national and international levels.
- They are provided with guidance on technical paper writing, prototype building, and patent filing.
- Financial support is given to bright students if needed for attending conferences/workshops.

4.5 Methodology to Support Slow Learners

Slow learners are identified based on their participation in classroom discussions, performance in assessment tests (less than 10 out of 25), performance during viva-voce, university result analysis, etc. The following actions are taken to support slow learners:

- The department arranges remedial lectures for slow learners.
- Students are encouraged to conduct open-ended lab-based experiments.

- The students are encouraged to participate in symposia, workshops, and seminars at national and international levels.
- Additional question banks are provided to students to improve their learning.
- Mentors inform parents regarding improvements in their ward's performance on a regular basis.
- Mentors facilitate understanding of personal and professional difficulties faced by students and work towards resolving them.
- Participative and progressive slow learners are given opportunities to improve teamwork to motivate and appreciate their efforts.
- Problem-solving sessions are conducted to ensure comprehension, and exercise problems are solved collaboratively.
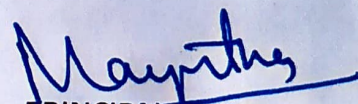
5. Roles and Responsibilities

- **Faculty Members:** Identify students needing support, conduct remedial sessions, and monitor progress.
- **Peer Mentors:** Assist students with subject difficulties and conduct study sessions.
- **Students:** Actively participate in learning support programs and seek help when required.
- **Academic Coordinators:** Oversee implementation and ensure the effectiveness of learning support programs.

6. Monitoring and Evaluation

- Regular feedback will be collected from students and faculty.
- Periodic assessments will evaluate the effectiveness of the learning support initiatives.
- Necessary improvements and modifications will be made based on student performance and feedback.

7. Conclusion

NHCE aims to create an academically enriching environment through structured peer learning, remedial education, and additional academic support. This policy ensures that every student receives the necessary assistance to excel in their studies and develop lifelong learning skills.

PRINCIPAL

NEW HORIZON
COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic Year 2023-2024

Semester:6   Section: A
Course Name: Data Structures and Algorithm Using Python   Course code:21EEE642

List of Slow Learners

Sl. No.	USN	Name
1	1NH21EE003	ABDUL KHADER
2	1NH21EE021	BABA FAKRUDDIN
3	1NH21EE025	CHANDRAHAS SAI R
4	1NH21EE029	DHANANJAY
5	1NH21EE042	KEERTHI T E
6	1NH21EE054	MANASA VIRUPAKSHA
7	1NH21EE061	MITHUN S
8	1NH21EE062	MOHMMAD NAUMAAN

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic Year 2023-2024

Semester: 6

Section: B

Course Name: Data Structures and Algorithm Using Python

Course code: 21EEE642

List of Slow Learners

Sl. No.	USN	Name
1	1NH21EE071	NANDINI
2	1NH21EE072	NEIPHRETUONUO RAME
3	1NH21EE087	PREETHI S
4	1NH21EE089	R K POOJA
5	1NH21EE093	RAKSHAN
6	1NH21EE106	SHASHANK
7	1NH21EE111	SREEJESH
8	1NH21EE118	SYEDA MEHAK FATHIMA
9	1NH21EE126	YASHAS R YADHAV

New Horizon College of
Engineering, Bengaluru

Department: EEE

NEW HORIZON
COLLEGE OF ENGINEERING

Academic Semester: 2023 – 2024

Semester: 6   Section: A   Course Code:
21EEE642

Course: Data Structures and
Algorithm Using Python

LESSON PLAN

Lecture #	Module #	Topics	RBT Level	Course Outcome Mapping	Planned Date	Actual Date	Faculty Sign	Remarks
1	1	Over view of python, Python operators	L2, L4	CO1	05/04/24	12.04.24		Placement Orientation
2		Iterators and generators	L3		12/04/24	19.04.24		-
4		Stack and Queue	L3		19/04/24	26.4.24		-
	2	Stack implementation	L3, L4	CO2, CO6	26/04/24	17.5.24		-
5		Queue implementation	L3,L4		17/05/24	24.5.24		-
6		Linked list	L3,L4		24/05/24	31.5.24		-
	3	Ordered list	L3,L4	C02, CO3,CO6	31/05/24	7.6.24		-
7		Sorting and searching techniques	L3,L4		07/06/24	14.6.24		-
8		Tree traversals	L3,L4	CO4, CO6	14/06/24	21.6.24		-
9	4	Binary search trees	L3,L4		21/06/24	28.6.24		-
11	5	Breadth first search	L3,L4	CO5, CO6	28/06/24	12.7.24		-
12		Depth first search	L4		12/07/24, 19.07.24	19.7.24		-

New Horizon College of
Engineering, Bengaluru

Department: EEE

NEW HORIZON
COLLEGE OF ENGINEERING

Academic Semester: 2023 – 2024

Semester: 6   Section: B

Course Code:
21EEE642

Course: Data Structures and
Algorithm Using Python

LESSON PLAN

Lecture #	Module #	Topics	RBT Level	Course Outcome Mapping	Planned Date	Actual Date	Faculty Sign	Remarks
1	1	Over view of python, Python operators	L2, L4	CO1	05/04/24	12.4.24		Placement orientation
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4		Stack and Queue	L3		19/04/24	26.4.24		–
	2	Stack implementation	L3, L4	CO2, CO6	26/04/24	17.5.24		–
5		Queue implementation	L3,L4		17/05/24	24.5.24		–
6		Linked list	L3,L4		24/05/24	31.5.24		–
	3	Ordered list	L3,L4	C02, CO3,CO6	31/05/24	7.6.24		–
7		Sorting and searching techniques	L3,L4		07/06/24	14.6.24		.
8		Tree traversals	L3,L4	CO4, CO6	14/06/24	21.6.24		–
9	4	Binary search trees	L3,L4		21/06/24	28.6.24		–
11	5	Breadth first search	L3,L4	CO5, CO6	28/06/24	12.7.24		–
12		Depth first search	L4		12/07/24, 19/07/24	17.7.24		–

NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
COACHING CLASSES

COURSE	Data Structures and Algorithms Using Python
COURSE CODE	21EEE642
SEMESTER	6
SECTION	: B
YEAR	2023-24

Sl. No.	USN	Name	12-04-2024	19-04-2024	26-04-2024	17-05-2024	24-05-2024	31-05-2024	07-06-2024	14-06-2024	21-06-2024	28-06-2024	12-07-2024	19-07-20.
1	1NH21EE071	Nandini	1	2	3	4	A	5	6	7	8	9	10	11
2	1NH21EE072	Neiphretuonuo Rame	1	2	3	4	5	A	6	7	8	9	10	11
3	1NH21EE087	Preethi S	A	1	2	3	4	5	A	6	7	8	A	A
4	1NH21EE089	R K Pooja	1	2	3	4	5	6	7	8	9	A	10	11
5	1NH21EE093	Rakshan L	1	2	3	4	5	A	6	7	8	9	A	10
6	1NH21EE106	Shashank	1	A	2	3	4	5	6	7	8	9	10	11
7	1NH21EE095	Ravi Kumar D	A	1	2	3	4	5	A	6	7	8	9	10
8	1NH21EE111	Sreejesh S	1	2	3	4	5	6	7	8	9	10	11	12
9	1NH21EE118	Syeda Mehak Fathima	A	1	2	A	3	4	5	A	6	7	8	9
10	1NH21EE126	Yashas R Yadhav	1	A	2	3	4	5	6	7	8	9	10	11
		Intials of the Faculty												

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NEW HORIZON COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
COACHING CLASSES

COURSE — Data Structures ad Algorithms Using Python
COURSE CODE — 21EEE642
SEMESTER — 6
SECTION — A
YEAR — 2023-24

Sl. No.	USN	Name	12-04-2024	19-04-2024	26-04-2024	17-05-2024	24-05-2024	31-05-2024	07-06-2024	14-06-2024	21-06-2024	28-06-2024	12-07-2024	19-07-2
1	1NH21EE003	Abdul Khader	A	A	A	A	A	A	A	A	A	A	A	1
2	1NH21EE021	Baba Fakruddin	1	2	3	4	A	5	6	7	8	9	10	11
3	1NH21EE025	Chandrahas Sai R	1	2	3	4	5	A	6	7	8	9	10	11
4	1NH21EE029	Dhananjay	A	1	2	3	4	A	6	7	8	A	A	A
5	1NH21EE042	Keerthi T E	1	2	A	3	4	5	6	7	8	9	A	A
6	1NH21EE054	Manasa V	1	2	3	4	5	A	7	8	9	A	10	11
7	1NH21EE061	Mithun S	1	2	3	4	5	A	6	7	8	9	A	10
8	1NH21EE062	Mohammed Naumaan	A	1	2	3	4	5	A	6	7	8	9	10
		Intials of the Faculty												

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