



**Department of Computer Science and Business Systems
Academic Year 2024– 2025(Odd Semester)**

Degree, Semester & Branch: B.Tech – I Semester CSBS

Course Code & Title: GE3151 & Problem solving and python programming

Name of the Faculty member (s): Mrs.B.Yazhini,AP/CSBS

Innovative Practice Description

- **Unit / Topic: Unit II / Tuple assignment, Expressions**
- **Course Outcome: CO2**
- **Activity Chosen: One Minute Paper**
- **Justification:**
 - In one-minute paper activity the students will be given 60 seconds to write the brief about that class session.
 - Tuple assignment, Expressions is an important topic to know about the basic understanding of Tuples in
 - In order to have a recap the basic concepts this activity is chosen.
- **Time Allotted for the Activity: 10 Minutes**
- **Details of the Implementation:**
 - Faculty explained the concept of the tuples and how to write sample program to represent a tuples.
 - Students were asked to write the summary of topic in a paper within a minute. Samitha of I-CSBS answer sheet are shown in fig 1.
 - The faculty member collected and corrected the sheet. The students who have written wrong content were asked to rewrite it.
- **CO – PO / PSO mapping (specific to this activity):**

CO	PO1	PO2	PO3	PO5	PO8	PO9	PO10	PO12
C105.2	3	3	3	3	3	2	1	2

(1 – Low 2 – Moderate 3 – High)

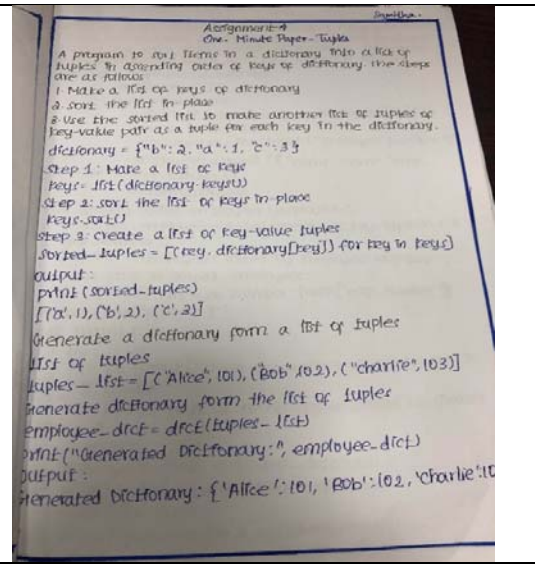
- **PO / PSO mapped:**

Innovative practice	PO1	PO2	PO3	PO8	PO9	PO10
----------------------------	------------	------------	------------	------------	------------	-------------

Justification for correlation	The students will develop python program to solve the various engineering problems by using basics mathematics, science and engineering principles..	The students will use the various python programming data types, operators and its precedence can be identified, formulated to solve the simple and complex engineering problems	The students will be able to provide solution to the real time problems using necessary data types, operators in python	The students will follow the rules of using data types, operators and its precedence for providing the solution to the problems	The students will be able to write and develop simple python program for simple problems individually.	The students will be able to expose their knowledge of solving the problems by giving presentation and through discussion forum
--------------------------------------	--	--	---	---	--	---

Innovative practice	PO12	PSO1	PSO2	PSO3
Justification for correlation	The students will develop python program to solve the various engineering problems by using basics mathematics, science and engineering principles..	The students will use the various python programming data types, operators and its precedence can be identified, formulated to solve the simple and complex engineering problems	The students will demonstrate python programs is highly correlated in software development	The students will use the python program used to build control, management and testing and many other fields of software projects development in industries.

- **Images / Screenshot of the practice:**



**Fig 1: Sample One minute paper activity
Written by Ms.Samitha**

Fig 2: Sample One minute paper activity

Reflective Critique:

❖ *Feedback of practice from students and other stakeholders:*

- Students said that they were able to remember the techniques and concepts in machine learning after the activity
- Students felt it will be helpful while preparing for exam and useful to recollect the ideas regarding machine learning.

❖ *Benefit of the practice:*

- Students remembrance of the concept is improved
- Get a sense of what the students have listen and learned, where there might be gaps in their knowledge

❖ *Challenges faced in implementation:*

- Few students made a mistake in writing the concept.
- It took much time for some students to complete the activity.

References

- https://www.ritrijpm.ac.in/images/CSBS/2023-2024/MP_GE3151_PSPP_KU_23_24.pdf
- https://www.ritrijpm.ac.in/images/CSBS/2022-2023/MP_AD3251_DS_KU_23_24.pdf
- https://www.ritrijpm.ac.in/images/CSBS/2022-2023/SEV_GE3151_One%20minute%20paper.pdf