MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR - 474005

(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal, M.P.)

Department of Computer Science and Engineering

Date: 17/02/2022

Report on In-House workshop on
"Addressing the Special Needs of Slow and
Advanced Learners through Teaching-Learning"

Title of the activity:	Addressing the Special Needs of Slow and Advanced Learners through Teaching-Learning
Date of activity:	10/02/2022
Schedule	5:00 PM to 6:00 PM
Resource Person:	1. Dr. Manish Dixit, Professor and Head 2. All faculty of the CSE department were involved in the discussion (In-House workshop)
Objectives of the Event:	• To explore the solutions/measures for improving the status of slow and advanced learners, such that their learning goals are achieved. • To generate realistic and workable ideas to motivate slow and medium learners to attend "Additional Classes". • To plan, implement and document the special/separate measures taken for improvement of both slow and advanced learners. • To design interactive strategies such as mini project/task/assignment for slow/medium/fast learners to address their needs.
Salient points of discussion/deliberations	As per the Digital Teaching Action Plan of the institute following measures were already taken (Some suggestions for making them effective may be incorporated): 1. **Interactive doubt clearing classes** –It is found that few students are not active in the classes. It is discussed to motivate the students to be interactive while attending the classes. Moreover, Realistic and live example during the classes also improves the attention of those students who are less interactive. To promote the Competitive environment (floating of one question quiz during class) in the classes are also another solution to increase the number of students in the classes. It will also improve the energy level of students to solve a given problem, quizzes and assignment

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2. **Needs of slow learners through question/answer model -** Discussed all the possible solution for addressing the special needs of slow and advanced learners by the faculty members of CSE departments. The proper management of time for handling the need of all types of learners.

   The questions are provided through question bank. Also the questions are asked in class so as to identify their problem. Remedial Additional classes (01 per week of 30 minute1 hour) are conducted to address their needs. However, less students are coming forward to ask their doubts (if any). It is discussed that slow learners are to be motivated to attend remedial class through personal messages/Call.

3. **Personalized attention through phone call/whatsapp/email etc as per the need –** Personal phone calls/Messages are done to students, those who either are not attending the class or are not responding during the interactive session.

   WhatApp groups are also formed for each semester for both the slow and fast learners (all students). However, separate groups may not be formed to avoid the discrimination among them.

   It has been seen that some of the students hesitate while asking the question in the classes. So create a positive environment in the class and to overcome the hesitation of the students teachers behaviours towards such students are required to be more familiar. Furthermore, each faculty can personally approach to these students and try to build the confidence.

4. **Guidance sessions related to examinations-** Students are guided with respect to examination during the class and also during remedial classes. Class coordinators are also engaged to provide guidance related to exam issues. This is already executed in the department.

5. **Attending to any other special needs as per the response/feedback received –** It is observed that every student potential is different from each other so need to understand the actual problem of students by having a healthy discussion with them. Changes in the teaching methodology, and emphasized on points suggested through feedbacks may be given more attention.

6. **Fast learners & synchronous learners are motivated to help learners with difficulties –** The group of Fast learners and few slow learners may be formed (without knowing the purpose of group) for constructive/academic/organising activities. The presence of fast learners in the group will help the slow and medium learners to achieve their goals which may be monitored by respective class faculty. Assignments are provided in a joint group having all the three learners (slow, medium and fast learners), so that slow could take help from fast and synchronous learners.

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Other points, if any	• Faculty is asked to increase the efforts to achieve the desired results for Slow and Advanced Learners through Teaching-Learning methodologies and interaction. Faculty must do some innovative practical methods and apply the same to get the desired outcomes.
Outcome of the workshop:	Faculty is able to: • Rethink that the no of social/financial/circumstances problem with the students. More efforts and interaction is needed to provide solutions for improving the status of slow and advanced learners. • Understand that to motivate the students to attend the "Additional Classes" is equally important as regular classes. • Understand to Implement and plan the activities such as formation of few groups of all type of learners. • Determine the ways to design interactive strategies such as mini project/task/assignment for all the type of learners as per their abilities.

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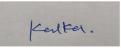### Department of Computer Science and Engineering

Attendance (with signatures)	

One day InHouse workshop Addressing on the special need of slow, and advance learning through. Teaching - learning.

10/02/2022

	Name of faculty	Sign.
1.	Arun Kumar	
2.	Mir Shahnawaz Ahmad	10/2/22
3.	Amit K. manjhvar	10/02/22
4.	Khushboo Agarwal	
5.	DR. R.S. Jadon	
6.	Dr. R.K. Gupta	10/2/22
7.	Dr. Anshu chaturvedi	10/2/2022
8.	Jaimala Jha	10/02/2022
9.	Kratika Sharma	
10.	Ankita Sengar	10/2/022
11.	Mahesh Parmar	10/02/22
12.	Rajni Ranjan Singh	
13.	Ranjeet Kumar singh	
14.	KALKA DUBEY	
15.	Dr.Anjula Mehto	
16.	Hemlata Arya	

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Department of Computer Science and Engineering

(Dr. Anjula Mehto)
Workshop Coordinator

(Dr. Kalka Dubey)
Workshop Coordinator

(Dr. Ranjeet Kumar Singh)
Workshop Coordinator

(Dr. Manish Dixit)
Professor & Head