

17. Best Practices in Dept. of Mathematics, BEC

By implementing best practices such as bridge, remedial, special, and course repetition classes, Dept. of Mathematics creates an inclusive learning environment that caters to the needs of all students. These interventions provide slow learners with the resources, time, and support they need to thrive academically, ensuring that no student is left behind.

Bridge classes aim to "bridge" the gap between the current understanding of the student and the required knowledge level to succeed in future academic challenges.

Remedial classes are designed to help students who are lagging behind in a specific subject, usually identified through AAT & Mid Exams.

Special classes cater to students who joined lately in the third counseling with particular needs, including those with learning disabilities or students who require more intensive academic support.

Course repetition allows a student to repeat a particular course based on his poor performance to better grasp the curriculum.



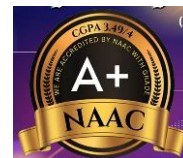
Thus, Best practices in colleges ensure a positive learning environment, foster academic success, and promote overall student well-being.

Best practices provide essential support for academic success, addressing any gaps and ensuring a smooth transition into new educational challenges.

Best practices help and create a well-rounded, supportive, and innovative educational environment.

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"Dept. of Maths promotes computational nature; Computational nature enriches the students' future"



Apart from regular class workload, The faculty of Maths Dept. are engaging Best Practices also like Bridge Classes, Remedial Classes, Special Classes & Course Repetition Classes etc.

S.NO	Name of engaged other classes	Periods taken	Benefited Students	Percentage of Benefited Students
1	Bridges Classes (I B.Tech)	115	260 students Benefited out of 350	74.28%
2	Remedial Classes (I B.Tech)	153	252 students benefited out of 282	89.36%
3	Special Classes (I B.Tech)	10	16 students Benefited out of 16	100%
4	Remedial classes (I B.Tech)	90	155 students Benefited out of 218	71.1%.
5	Course Repetition: 10 Maths related courses	339	83 students Benefited out of 93	89.2%
Total Classes engaged other than regular workload		707 (589 hours)	766 students benefited out of 959	80 %

The above Best Practices like Bridge Classes, Special Classes & Remedial Classes etc., which we adopted in the A.Y 2023-24 play a vital role to get considerable pass percentage in Maths Courses.

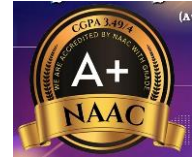
(1).**Bridges Classes:** Conducted overall 115 bridge classes in total for various branches. 260 students were benefited by Bridge classes out of 350 in first B.Tech Students.

The Percentage of benefited students in first year B.Tech sections is 74.28%

(2). **Remedial classes in I B.Tech courses:** Conducted overall 153 Remedial classes in total for various branches in I B.Tech Maths course for LAODE , 252 students were benefited by remedial classes out of 282 in first B.Tech Students.

The Percentage of benefited students in first year B.Tech sections is 89.36%

(3).**Special Classes:** 16 students who joined lately through third counselling are benefited by conducting 10 special classes in each section.

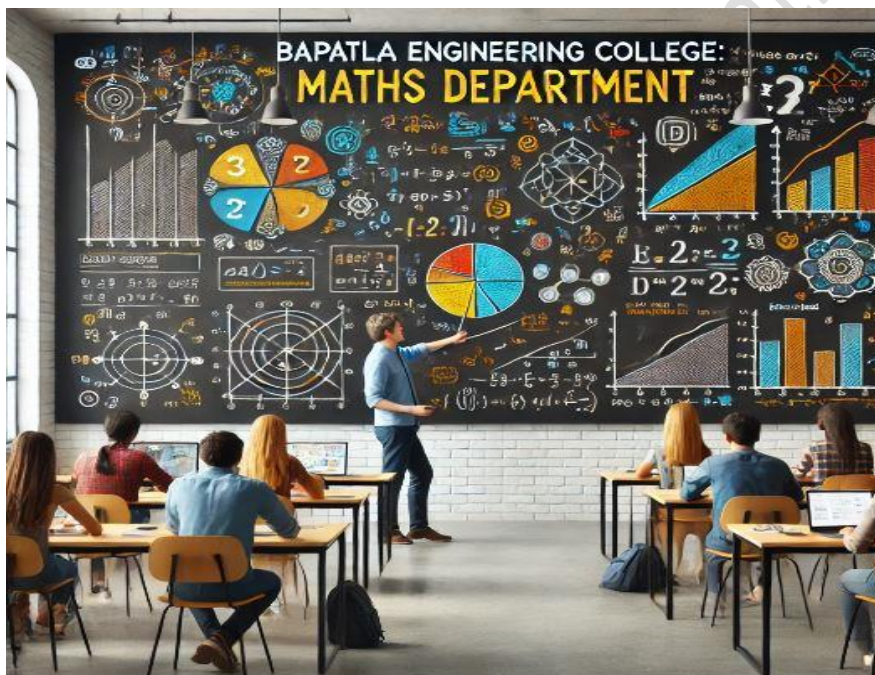


(4). **Remedial classes in II B.Tech courses** : Conducted overall 90 Remedial classes in total for various branches in P & S 155 students were benefited by remedial classes out of 218 in second year B.Tech Students.

The Percentage of benefited students in second year B.Tech sections is 71%.

(5). **Course Repetition**: We conducted course repetition classes for 10 Maths related courses, Totally we conducted 339 classes for all courses. 83 students are benefited by course repetition classes out of 93 students.

The Percentage of benefited students in through Course repetition is 89%



The Maths Department's best practices have demonstrated that a focused, personalized approach to education can yield impressive results. By offering bridge classes, remedial sessions, special classes, and course repetition, the department has empowered **766 students out of 959 students (80%)** to overcome their academic challenges and thrive in mathematical courses.

- Dept. of Mathematics