



St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY :: CHENNAI

Affiliated to Anna University, Chennai & Approved by AICTE

Accredited by NAAC with 'A' Grade & ISO 9001:2015 Certified Institution

BEST PRACTICES



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BEST PRACTICE -1

SLIP TEST

Title of the Practice

Slip Test

Objectives of the Practice

- Assessment of students' understanding of concept on daily basis
- Improve the students' attention and doubt clarification during the lecture hour

The context

The continuous reading habits among the students have reduced. The students have the habit of reading the subjects only before the examinations. This has hampered the performance in the exams. Due to discontinuity in the regular practice, many students have lost interest in engineering. Faculty members were unable to predict the level of understanding of the knowledge delivered to them. The slip test is a method of daily evaluation of students to help the faculty members to understand the average understanding of the lecture delivered. This self-evaluation on a daily basis enabled the students to know his gray area of understanding and suitable remedial measures could be taken.

The practice

- ❖ Slip test will be conducted 15 minutes at the end of lecture period twice a week
- ❖ The Question pattern will be descriptive/ objective/ analytic from the topic taught in that hour
- ❖ The gist of the lecture can be reviewed by this slip test.
- ❖ Further students may have better practice on recognition and recollecting memory skills.




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AVADI, CHENNAI - 600 054

CLASSTEST - ANSWER SHEET

8/10

Name of the Student : (C) PABITH PHILIP

Signature :

Course Code & Name : HP

Year & Class : IV

Semester : VII

Date : 2/8/19

Time : 3rd hour

Reg No : 112716114307

Branch : MECHANICAL

1) fluid power symbols (ANSI)!

8/10
HP
2/8/19

* ~~motor~~ pump

1) fixed and induction



2) fixed and Bi direction



3) variable



* motor :

1) fixed and in direction



2) fixed and Bi direction

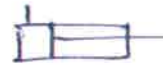


3) variable

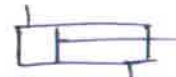


* cylinder

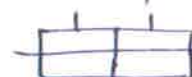
1) single acting



2) Double acting



3) Double rod



4) telescopic



Slip test paper sample 1




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CLASS TEST - ANSWERSHEET

Name of the Student : A. Diwakar

Signature :

Course Code & Name : CADM

Year & Class : III

Semester : VI

Date : 23/01/2020

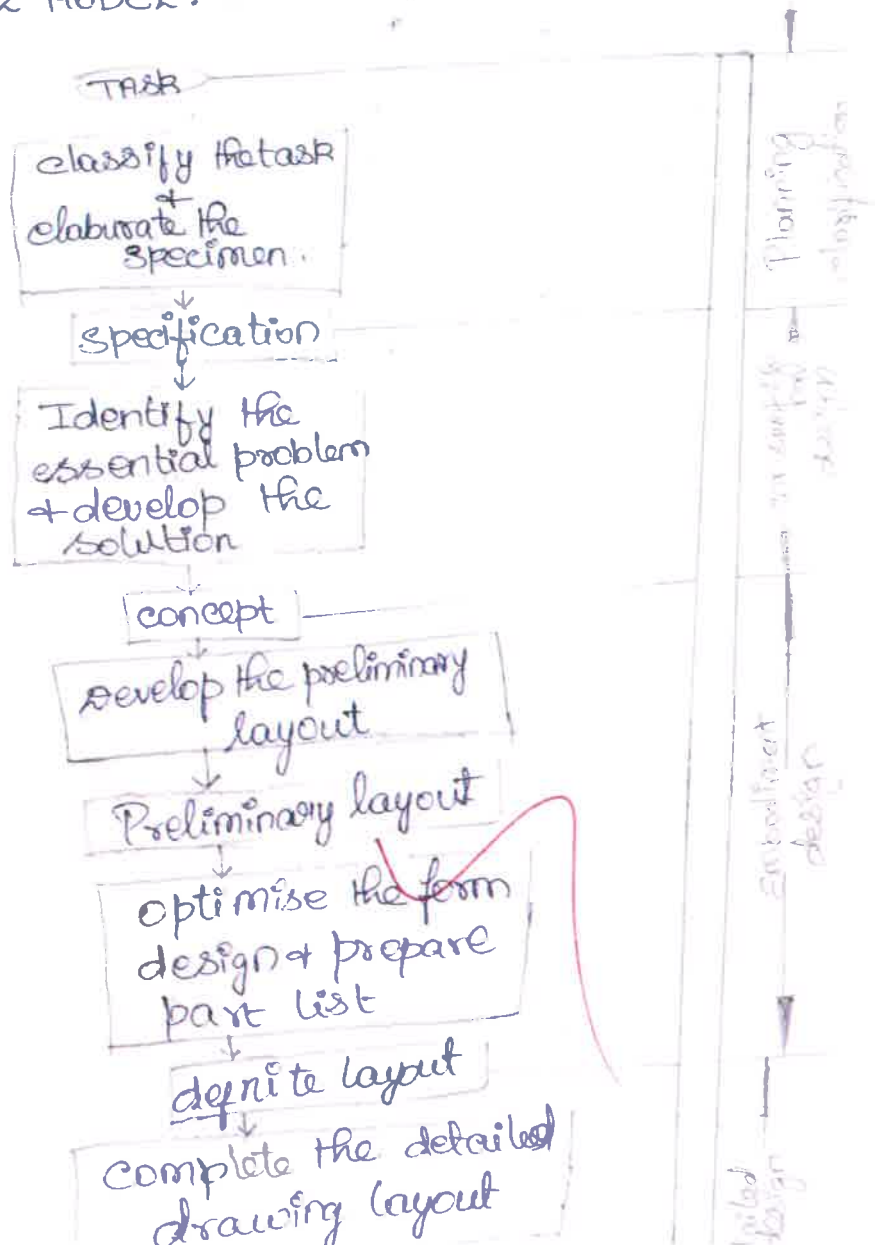
Time

Reg No. : 1127114021

Branch : Mechanical



PAHL + BEITZ MODEL :



Slip test paper sample 2




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Evidence of success

- ❖ The performance of the students is improved in the internal assessment and end semester exams.
- ❖ It will reduce the burden of accumulating the subjects to study at the time of exams.
- ❖ The students' interaction in the classroom is increased
- ❖ The continuous learning/ reading practice is improved
- ❖ Students become more confident to appear for any competitive exams

Problems encountered

- ❖ Could able to spare 15 minutes to assess the students understanding
- ❖ Additional time to cover the syllabus is a challenge as the duration of semester is governed by the University.

Resource Required

Required stationery have been provided by the Management




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BEST PRACTICE -2

INDUSTRIAL INSTITUTE INTERACTION

Title of the practice

Industry-Institute Interaction

Objectives of the practice

- ❖ To bridge the gap between the industry and Institute
- ❖ To offer technical consultancy relevant to the industries
- ❖ To offer courses on the latest developments in engineering and technology
- ❖ To carry out development activities collaborating with industries and governments
- ❖ To impart in-plant training to students and faculty members at industries
- ❖ To arrange industry and public sector sponsored project for students
- ❖ To improve the campus placement
- ❖ To share the expertise between institutions and industry
- ❖ To organize Guest lectures, FDP and VAC to students and staff
- ❖ To promote entrepreneurship

The context

Industry-Institute Interaction identifies the industrial expectation and promotes institutional preparation for meeting industrial needs by facilitating sponsored R&D projects, seminars, workshops and various other industrial training programmes. Industry Institute partnerships reflect in equipping faculty to latest practices and makes the students industry-ready by providing exposure to current industry practices, and hone their skills to adapt changing technologies. The primary focus of Industry-Institute Partnership Cell (IIPC) is to interact with elite industries in and around Chennai, and extend the efforts in establishing partnership with industries across the country in near future. To enhance the industrial skill among students and staff, the college has linked the industries in various activities of the institution viz., collaborative seminars and workshops, industrial training, internship, industrial projects etc. One of the hidden outcomes of this venture is students' placement.




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The practice

To strengthen the Industry-Institute interaction, the following activities were initiated,

- 57 workshops/ seminars are conducted on IPR & Industrial linkages
- Industry Institute Partnership Cell (IIPC) has signed 21 MOU's with Industries to carry out collaborative work in project development, training and consultancy
- 296 industrial linkage programs like internship, industrial projects, field trip, and research have been organized
- 76.47% of students benefited from the training over 5 years
- For effective teaching-learning processes, 82% of faculty attended Professional Development Programs and gained exposure to modern industrial practices.

Evidence of Success

- ❖ Developed and established a framework for end-to-end support of aspiring Entrepreneurs through collaborative approach with CED and Government nodal agencies
- ❖ Established Entrepreneur Development Cell to support aspiring entrepreneurs
- ❖ Faculties are encouraged to commercialize their Patents
- ❖ Designed, developed and implemented training modules for enhancing the skills of students and society under the various State/Central government initiatives/Private & Public sectors /NGOs




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Vision Innovative Products

- ❖ Vision Innovative Products is a manufacturer of battery operated vehicles & its spares. An venture of Alumni Entrepreneur Mr. J. Mohamed Suhail Ahmed & Mr. Mohamed Asik



MOU Signed with IMARTICUS LEARNING




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Problems Encountered

- Linking global industries is a challenge
- Spending more time with industry for specialization in latest technology is not possible due to the semester duration constraints
- Expensive professional softwares and hardware to develop the industrial standard project in campus
- Procuring the platform of implementation according to the industrial requirements in campus

Resources Required

Professional softwares and hardware to develop the industrial standard project

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