LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

Accredited by NAAC with 'A' Grade & NBA (Under Tier - I)
An ISO 21001:2018,14001:2015,50001:2018 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
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DEPARTMENT OF INFORMATION TECHNOLOGY

Actions taken based on the results of evaluation of each of the COs, POs & PSOs

POs	Target Level (%)	Attainment Level (%)	Observations
			PO-1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO 1	**70 On Scale-2.10**	**69.14 On Scale-2.07**	**Attainment Status: Not Attained** Out of 68 subjects, 54 are mapped to PO1. 21 **subjects** that are mapped to PO1 did not attain the target. The following subjects fell below the threshold value of 60, indicating a shortfall in achieving the target for PO1: **20EC81-OPEN ELECTIVE– I Satellite Technology (59.25), 20CS03-Data Structures (58.34),20CS09-Object Oriented Programming (58),20CE82-OPEN ELECTIVE – II Disaster Management (57.25),20FE06-Engineering Chemistry (53.78) , 20CS01-Programming for Problem solving using C(51.34) , 20CS08-Computer Organization (48.96) , 20CS10-Data Warehousing & Data Mining (43)** Based on our analysis of the results and our conversations with students, we have concluded that they need more practice solving problems using mathematical logic and knowledge, especially in lab courses. We believe that providing more vivid demonstrations of practical examples in courses with lower attainment levels would be beneficial to students.

Action Taken:
 1) Conducted Ten-day Hands-on Training on Machine Learning during 03rd - 12th March 2023
 2) Critical topics in Engineering Chemistry were revisited through special classes to enhance student comprehension and address gaps in target attainment
3) Training in programming languages such as Python, C, Data Structures and Java were conducted through E-box web-based courses to improve proficiency in subjects related to programming
 4) For the theory courses the faculty are instructed to give more assignments for the students.
 5) The faculties of the laboratory courses were advised to conduct more demonstration classes.

POs	Target Level (%)	Attainment Level (%)	Observations
PO-2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			
PO 2	**70 On Scale- 2.10**	**68.43 On Scale- 2.05**	Attainment Status: **Not Attained.** Out of 68 subjects, 58 are mapped to PO2. 26 **subjects** mapped to PO2 did not meet the target. The list of courses missing the targets with far-reach were **20ITS2-Skill Advanced Course NLP Tool Kit (60.13), 20CS09-Object Oriented Programming(58.18), 20IT01- Software Engineering (58.03), 20CS03-Data Structures(56.61), 20CS05-Python Programming (56.4), 20CS08-ComputerOrganization(54.83) ,20EC81-OPEN ELECTIVE – I Satellite Technology (54.33), 20FE06-Engineering Chemistry (54.10) ,20CS01-Programming for Problem solving using C (45.05) ,20CS10-Data Warehousing & Data Mining (43).** After analysis of results, it is observed that students are required to concentrate more on core subjects i.e. in GATE point of view.
Action Taken: 1) For the theory courses the faculty are instructed to give more assignments for the students. 2) The faculty of the laboratory courses was advised to conduct more demonstration classes. 3) Conducted Ten-day Hands-on Training on Machine Learning during 03rd - 12th March 2023 4) Critical topics in Engineering Chemistry were revisited through special classes to enhance student comprehension and address gaps in target attainment 5) Training in programming languages such as Python, C, , Data Structures and Java was conducted through E-box web-based courses to improve proficiency in subjects related to programming.			

POs	Target Level (%)	Attainment Level (%)	Observations
PO-3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.			
PO 3	**70 On Scale- 2.10)**	**67.99 On Scale- 2.04**	Attainment Status: **Not Attained** Among the 68 total subjects, 40 are mapped to PO3. Of these, 19 did not achieve the targets, and 8 subjects scored below the threshold of 60. The subjects requiring much attention include : **20CS19-Bigdata Analytics (59.7) 20CS05-Python Programming (57.36) "20IT04-PROGRAM ELECTIVE – II Data Science (57.1), "20EC81-OPENELECTIVE–I Satellite Technology (54.33), 20FE06-Engineering Chemistry (53.48) 20CS10-Data Warehousing & Data Mining (49.33) 20CS08-Computer Organization (45.15) ,"20ITS2-Skill Advanced**

| | | | **Course NLP Tool Kit (45.1)** After analysis of results, it is observed that students are doing laboratory experiments without enough preparation i.e., in terms of designing experiment, analyzing and interpretation of results. To improve the performance of students under innovative teaching and learning new course need to add in next curriculum. |

Action Taken:
1) Critical topics in Engineering Chemistry were revisited through special classes to enhance student comprehension and address gaps in target attainment
2) Conducted a three-day Workshop on "Industry Expectations on Data Engineers" on 4th ,5th, 6th of June 2021 to improve the research methods including design of experiments
3) Ten-day workshop on Machine Learning Hands-on from 03rd March - 12th March ,2023
4) Training in programming languages such as Python, C, Data Structures and Java was conducted through E-box web-based courses to improve proficiency in subjects related to programming
5) A Four Value Added Course on Web Application Development was conducted from 16-08-2023 to 19-08-2023 to enhance students' skills in web application development.

POs	Target Level (%)	Attainment Level (%)	Observations
PO-4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.			
PO 4	**70** **On Scale 2.07**	**68.97** **On Scale - 2.10**	Attainment Status: **Not Attained** Out of the 68 total subjects, 25 are mapped to PO4. Among these, 8 subjects did not meet the target, and 2 subjects fell below the threshold value of 60. The subjects that need attention include.**20FE06-Engineering Chemistry (53.78) 20CS10-Data Warehousing & Data Mining (49.33)** These courses exhibited lower attainment levels, necessitating targeted interventions to improve performance and alignment with PO4 objectives. To strengthen PO4, more emphasis has to be given in teaching methodologies related to design and implementation of problem solving through programming

Action Taken:
1) To improve practicality, Hands-on Sessions/Demonstration classes were conducted before executing the experiment.
2) Conducted Ten-day Hands-on Training Machine Learning during 03rd - 12th March 2023
3) Critical topics in Engineering Chemistry were revisited through special classes to enhance student comprehension and add gaps in target attainment
4) A ten-day workshop on Web Development(Back-end Technologies) was conducted from 6th February 2023 to 17th February 2023.

POs	Target Level (%)	Attainment Level (%)	Observations
PO-5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.			

POs	Target Level (%)	Attainment Level (%)	Observations
PO 5	**68** **On Scale-2.04**	**67.85** **On Scale-2.03**	Attainment Status: **Not Attained** Out of 68 courses, 22 courses are mapped to this PO5.17 courses have reached their targets but remaining 5 have not attained the target but they are very near to the target The only subject that has not attained and considerable effect on the score is **20CS05-Python Programming (57.4).** After analysis of results, it is observed that students are to be guided about the various tools implemented in industries in terms of designing experiment, analyzing and interpretation of results. To Strengthen PO5, introduce more these courses have to include the tools of modern era which simplifies the project implementation. these courses have to include the tools of modern era which simplifies the project implementation.

Action Taken:
1) Training in programming languages such as Python, C, Data Structures and Java was conducted through E-box web-based courses to improve proficiency in subjects related to programming
2) Conducted Value Added Course on Web Application Development from 16-08-2023 to 19-08-2023 to enhance students' skills in web application development. 3) A five-day workshop on Internet of Things and Machine Learning was conducted from 4th December 2023 to 8th December 2023.
4) A one-week workshop on for Society – BOOT CAMP (Django) was conducted from 21st March 2022 to 26th March 2022.

POs	Target Level (%)	Attainment Level (%)	Observations
PO-6			

PO-6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

POs	Target Level (%)	Attainment Level (%)	Observations
PO 6	**69** **On Scale-2.07**	**77.23** **On Scale-2.32**	Attainment Status: **Attained** Number of courses mapped to PO6 are 15. The courses that reached the target level are 10. Out of remaining five the 3 courses attainment level were missing the target levels far below. They are **20HS01-Universal Human Values-II Understanding Harmony (57.5),20FE06-Engineering Chemistry (53.08) ,20MC02-Environmental Science (52.5)** It is suggested to continue the necessary steps taken for the uplift of PO6 attainment levels.

Action Taken:
1) Motivated the students by explaining the importance of doing internship and project work.
2) The faculty are instructed to give practical examples relevant to engineering practices to enhance skills to handle problems in the societal context.
3) The faculty are advised to allot a few topics for seminar related to society and the course content to present in the class room.
4) Critical topics in Engineering Chemistry were revisited through special classes to enhance student comprehension and address gaps in target attainments.

POs	Target Level (%)	Attainment Level (%)	Observations
PO-7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO 7	**70 On Scale 2.10**	**70.06 On Scale-2.10**	Attainment Status: **Attained** Out of the 20 subjects mapped to PO7, 15 have attained the targets. However, 5 subjects have not met the required standards, with 3 of them falling below the threshold value of 60. Notably, PO7, which emphasizes understanding environmental sustainability, has shown a lower attainment value compared to other Pos. This indicates a need for a focused approach to integrate sustainability more effectively into the curriculum. Subjects which were far below the targets were **20MC02-Environmental Science (52.8), 20FE06-Engineering Chemistry (54.38), 20EC81-Satellite Technology (62.2),**

Action Taken:
1) The faculty are instructed to teach and give practical approach of the topics in view of long-term goals like environment and sustainability.
2) It is advised and encouraged greater number of students to participate in the Environmental club activities.
3) Inculcate the students to solve the problems on environmental oriented projects.
4) Critical topics in Engineering Chemistry were revisited through special classes to enhance student comprehension and address gaps in target attainment.

POs	Target Level (%)	Attainment Level (%)	Observations
PO-8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			
PO 8	**71 On Scale-2.13**	**72.69 On Scale-2.16**	Attainment Status: **Attained** For PO8, which focuses on ethics, the total number of mapped subjects is 21. Among these, three subjects have not met the target values: All the courses were comfortably reached the target levels. After analysis of results and interacting with students, additional efforts required to improve knowledge on professional ethics and moral values. For the benefit of students, need to add new course related to ethical values in next curriculum. **Three** Subjects that missed the targets were **20CSS1-Web Application Development using Full Stack - Module-I (Frontend Development) (67.5) 20CS58-Data Mining using Python Lab (61) 20CSS2-Web Application Development using Full Stack - Module-II (Backend Development) (60.3)**

Action Taken:
: 1) Faculty are advised to instruct the students about the importance of ethics in the engineering profession.
2) Motivate the students on real life case study problems and debate on ethical decision and judgments.

3)Faculty are advised to instruct students to follow ethical values while doing the programs, writing records and paper publications. 4)Conducted Value Added Course on Web Application Development from 16-08-2023 to 19-08-2023 to enhance students' skills in web application development.			

POs	Target Level (%)	Attainment Level (%)	Observations
PO-9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			
PO 9	**70.96 On Scale-2.12**	**71 On Scale-2.13**	Attainment Status: **Not Attained** 23 courses are contributing to PO9. 4 mapped courses had not achieved target levels. **20CSS1-Web Application Development using Full Stack - Module-I (Frontend Development) (67.5)** **20CS58-Data Mining using Python Lab (61)** **20FE02-Professional Communication -II (60.38)** **20CSS2-Web Application Development using Full Stack - Module-II(Backend Development) (60.3)** After interacting with students, it was identified there should be more emphasis on project management and have to give clear picture regarding the software development process. Still there should be additional sessions required on development of team work skills. For the benefit of students introduce new course problem-based learning, in addition to that more association activity clubs are introduced in future.
Action Taken: 1) Create awareness on teamwork by preparing the posters. 2) Conducted association activities to improve the teamwork/leadership qualities & communications 3) Organized National Level Technical Symposium "Lakshya 2K22" to improve the leadership qualities as well as teamwork of the students. 4) Conducted Value Added Course Web Application Development from 16-08-2023 to 19-08-2023 to enhance students' skills in web application development. 5) A five-day workshop on Internet of Things and Machine Learning was conducted from 4th December 2023 to 8th December 2023.			

POs	Target Level (%)	Attainment Level (%)	Observations
PO-10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.			
PO 10	**70 On Scale-2.18**	**72.69 On Scale-2.13**	Attainment Status: **Attained** Total mapped subjects are 27 and 5 subjects failed to reached the target levels. Those are **20CSS1-Web Application Development using Full Stack - Module-I (Frontend Development) (67.5), 20HS01-Universal Human Values-II Understanding Harmony (66) ,20CS58-Data Mining**

			using Python Lab (61) ,20FE02-Professional Communication -II (60.38), 20CSS2-Web Application Development using Full Stack - Module-II (Backend Development) (60.3)
			Although the number of subjects falling short of the targets is relatively small, the gap in the attained values for some subjects, especially in communication-related areas, indicates areas requiring improvement. The low attainment in the Universal Human Values course is particularly concerning as it impacts the holistic development of communication skills

Action Taken:
1) Group discussion, Role play, Debate, Quiz/Essay Writing competitions are encouraged regularly.
 2) Classes on communication, soft skills, aptitude, and technical skills are arranged by the college every year apart from regular classes as per schedule.
 3) Conducted Awareness Program on "Cyber Crime" on 26-05-24
4) Conducted Value Added Course on Web Application Development from 16-08-2023 to 19-08-2023 to enhance students' skills in web application development.

POs	Target Level (%)	Attainment Level (%)	Observations
PO-11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.			
PO 11	**68** **On Scale-2.04**	**83.79** **On Scale-2.51**	Attainment Status: **Attained** PO11 is mapped with only 3 courses. Out of which all courses reached the target Levels. To strengthen PO11, need to introduce problem-based learning and problem assisted learning courses in next curriculum..

Action Taken:
1)Focus is given to motivate the students by explaining the importance of doing internship and project work.
2)Create awareness on project management by project assessment and evaluation committee.
3)Conducted association activities to improve the teamwork/leadership qualities & communication skills.
 4) Introduced plagiarism check (40%) for Main Project to maintain the quality of project.

POs	Target Level (%)	Attainment Level (%)	Observations
PO-12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.			

PO 12	**71** **On Scale-** **2.13**	**69.88** **On Scale-** **2.10**	Attainment Status: **Not Attained** Out of the 23 subjects mapped to PO12, which addresses life-long learning, 9 subjects did not achieve their targeted values. Among these, 4 subjects fell below the threshold value of 60, indicating a significant gap in performance. Specifically: **20EC81-OPEN ELECTIVE– I Satellite Technology (59.25),20CE82-OPEN ELECTIVE – II, Disaster Management (57.25) ,20FE06-Engineering Chemistry (53.78)** After interacting with students, it was identified that additional focus required on development of programming skills. To strengthen PO12, need to introduce skill oriented and skill advanced courses in next curriculum. And skill advanced courses in next curriculum.

Action Taken:

: 1) Critical topics in Engineering Chemistry were revisited through special classes to enhance student comprehension and address gaps in target attainment
 2) A five day workshop on Internet of Things and Machine Learning was conducted from 4th December 2023 to 8th December 2023.
3) Conducted Awareness Program on "Cyber Crime26-05-2021
4) A three-day Workshop on Blockchain Technology was conducted from 17th to 19th June 2021.

Date	**Dr.B.Srinivasa Rao**	**Dr. K Appa Rao**
11-08-2024	**HOD**	**Principal**

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DEPARTMENT OF INFORMATION TECHNOLOGY

PSOs Attainment Levels and Actions for improvement: Admitted Batch 2020-24
A.Y:2023-24

PSOs	Target Level (%)	Attainment Level (%)	Observations
PSO1: Organize, Analyze and interpret the data to extract meaningful conclusions.			
PSO 1	**70** On Scale-2.10	**68.48** On Scale-2.05	Attainment Status: **Not Attained** ☐ Subject Performance: **Out of the 34 subjects mapped to PSO1, 7 subjects did not meet the target values,. The gap indicates a need for improved effectiveness in the teaching and learning strategies related to data handling and analysis.** ☐ Key Subjects Affected: **The subjects that did not achieve the targets include foundational and advanced courses in data analysis, suggesting potential deficiencies in either the curriculum or student engagement in these critical areas. 20CS09-Object Oriented Programming (59.71) ,20IT04-PROGRAM ELECTIVE – II, Data Science (58.1),20CS03-Data Structures (58.08) ,20CS01-Programming for Problem solving using C (57.5) ,20CS19-Bigdata Analytics (54.7) ,20CS08-Computer Organization (50.8) ,20CS10-Data Warehousing & Data Mining (43)** **. For the benefit of students, new courses related to the industry needs if any are to be added in next curriculum.**

Action Taken:

1)Tutorial hours were made to handle by two faculty members.

2)The faculty of the laboratory courses who are just at the verge of attainment levels are advised to conduct more demonstration classes before attending laboratory.

3) Ten-day workshop on Machine Learning Hands-on 03rd - 12th March 2023

4) Wipro Talent Next program was conducted to help students prepare for interviews, delivered by Wipro Certified faculty in Java

5) A three-day 5G Technology and IoT event was conducted from 27th May 2021 29th May 2021.

PSOs	Target Level (%)	Attainment Level (%)	Observations
PSO2: Design, Implement and Evaluate a computer-based system to meet desired needs.			
PSO 2	**69** **On Scale-2.07**	**67.95** **On Scale-2.04**	Attainment Status: **Not Attained** **Subject Performance:** Out of the 39 mapped subjects, 11 did not achieve the set targets. This includes foundational and advanced subjects critical for system design and implementation. The subjects affected include key courses such as Programming for Problem Solving, Data Structures, and Web Application Development. **Key Subjects Affected**: The subjects falling short of targets are essential for understanding and applying system design principles. This indicates a need for enhanced focus on both fundamental and advanced aspects of system design. **20IT01-Software Engineering (58.36)** **20CS09-Object Oriented Programming (58.33)** **20CS03-Data Structures (51.7) ,20CS05-Python Programming (51.4) ,20CS01-Programming for Problem solving using C (48.32) ,20CS10-Data Warehousing & Data Mining (44.6) ,20CS08-Computer Organization (43.26)** After analysing the results and interacting with students, it was identified that additional focus required on development of problem analysis and solving skills. To strengthen PSO2 courses, which emphasize skill development through programming are to taught with simulation tools.
Action Taken: 1)More examples on Programming are practiced by students in Laboratory courses. 2)The faculty of the laboratory courses who failed to attain the target are instructed to demonstrate experiments using video lectures in order to motivate students. 3) Ten-day workshop on Machine Learning Hands-on 03rd - 12th March 2023 4) Wipro Talent Next program was conducted to help students prepare for interviews, delivered by Wipro Certified faculty in Java 5)A two-week certification program for Python titled Python Certification Program Phase-2 was conducted from 14th May 2021 to 27th May 2021.			

PSOs	Target Level (%)	Attainment Level (%)	Observations
PSO3: Develop IT application services with the help of different current engineering tools.			
PSO 3	**70 On Scale-2.10**	**70.11 On Scale -2.10**	Attainment Status: **Attained** **Subject Performance**: Out of 21 mapped subjects, 6 failed to achieve the target for PSO3. The subjects that fell short include core courses related to data mining, algorithms, and software engineering. These subjects are critical for understanding and applying modern engineering tools in developing IT application services. **Key Subjects Affected**: The subjects below the target are essential for mastering the application of engineering tools in IT development. Their performance indicates a need for more focused efforts in using current engineering tools effectively. **20IT01-Software Engineering (64.92) ,20CS06-Design & Analysis of Algorithms (64.43) ,20CS58-Data Mining using Python Lab (64.33) ,20CS03-Data Structures (60.7) ,20CS08-Computer Organization (52.9) ,20CS10-Data Warehousing & Data Mining (52)**

Action Taken:

1)The faculty of courses whose target were low are instructed to conduct more tutorials to improve the performance.

2) A week day is conducted workshop on Blockchain Technology from 17th Jun 2021 to 19th June, 2021 3) Ten-day workshop on Machine Learning Hands-on 03rd - 12th March 2023

4)A two-week certification program Python titled Python Certification Program Phase-2 was conducted from 14th May 2021 to 27th May 2021.

Table B.7.1POs & PSOs Attainment Levels and Actions for improvement

Date **11-08-2024**	**Dr.B.Srinivasa Rao** **HOD**	**Dr. K.Appa Rao** **Principal**

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DEPARTMENT OF INFORMATION TECHNOLOGY

Final Combined PO-PSO Attainment Report

PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
Contributory courses - total	54	58	40	25	23	15	10	21	23	27	3	23	34	39	21
Courses attained >=70%	25	27	16	12	9	7	4	18	18	22	2	12	17	17	11
>=60% -- <70% attained courses	21	22	16	11	13	5	4	3	5	5	1	8	10	15	8
>=50% --< 60% attained courses	6	7	5	1	1	3	2	0	0	0	0	3	6	4	2
>=40% -- <50% attained courses	2	2	3	1	0	0	0	0	0	0	0	0	1	3	0
Direct attained (100%)	69.14	68.27	67.64	71.23	69.64	69.88	74.22	80.23	79.35	79.56	78.82	70.34	68.35	67.59	70.54
Direct attained (70%) --- (A)	48.40	47.79	47.35	49.86	48.75	48.91	51.95	56.16	55.55	55.69	55.17	49.24	47.84	47.31	49.37
On Par Scale 3 (Direct)-- (C)	1.45	1.43	1.42	1.50	1.46	1.47	1.56	1.68	1.67	1.67	1.66	1.48	1.44	1.42	1.48
Indirect Survey (B)	20.74	20.64	20.64	19.10	19.10	28.32	18.11	15.93	15.42	17.00	28.62	20.64	20.64	20.64	20.74
On Par Scale3 – Indirect (D)	0.62	0.62	0.62	0.57	0.57	0.85	0.54	0.48	0.46	0.51	0.86	0.62	0.62	0.62	0.62
AttainmentTotal (A+B)	69.14	68.43	67.99	68.97	67.85	77.23	70.06	72.09	70.96	72.69	83.79	69.88	68.48	67.95	70.11
AttainmentTotal OnParScale-3)	2.07	2.05	2.04	2.07	2.04	2.32	2.10	2.16	2.13	2.18	2.51	2.10	2.05	2.04	2.10

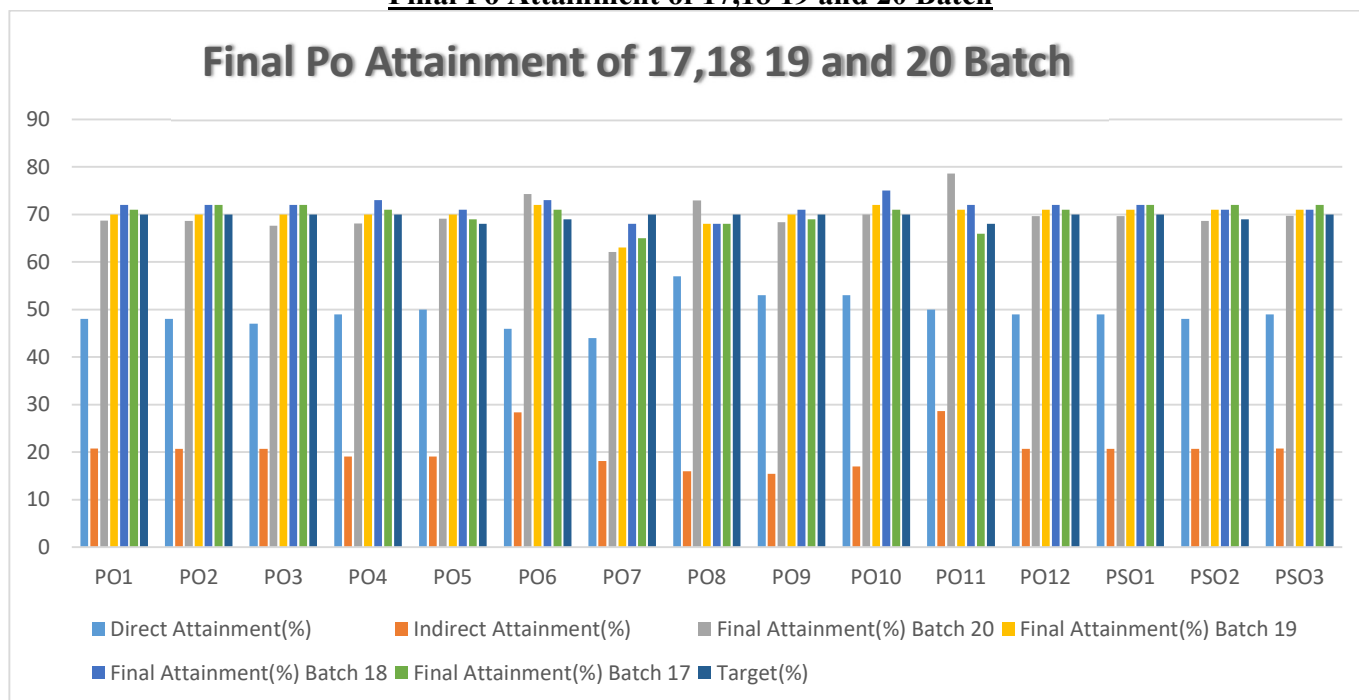| Date	Dr.B.Srinivasa Rao	Dr. K. Appa Rao
11-08-2024	HOD	Principal

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DEPARTMENT OF INFORMATION TECHNOLOGY

Final Po Attainment of 17,18 19 and 20 Batch

Final Po Attainment of 17,18 19 and 20 Batch

When comparing the performance of the 2020-2024 student batch with previous cohorts, it is important to consider that the targets for Program Outcomes (POs) and Program-Specific Outcomes (PSOs) have been elevated to reflect higher standards and expectations. Despite these increased targets, the 2020-2024 batch has demonstrated a commendable level of achievement.

In conclusion, while a few POs and PSOs were marginally missed, the 2020-2024 batch's performance can be rated as better than that of previous batches. The elevated targets have set a higher bar, yet the students have risen to the challenge, meeting the majority of these outcomes. The near misses should be viewed as substantial achievements, particularly in light of the more stringent criteria, and the batch's performance should be celebrated as a significant accomplishment when placed in the context of continuous improvement over time.

Date	Dr. B. Srinivasa Rao	Dr. K. Appa Rao
11-08-2024	HOD	Principal