MALLAREDDY COLLEGE OF ENGINEERING

(Approved by AICTE, Permanently Affiliated to JNTUH)
Recognized under Section2(f)&12(B)of the UGC Act 1956, AnISO 9001:2015 Certified Institution.
Maisammaguda, Dhulapally, post via Kompally, Secunderabad-500100

DEPT OF CSE-DS

(True success is all about working towards meaningful goals and dreams)

Report

A

REPORT ON

"A SEMINAR SESSION ON IMPORTANCE OF AICTE PARAKH CERTIFICATION"

PARTICIPANTS

CSE & DS FACULTY

19-07-2025, @ 3:00PM - 4:00 PM

ALL ARE CORDIALLY INVITED !!!

Prepared By

A Prashanth
Assistant Professor
CSE - DS

MALLA REDDY COLLEGE OF ENGINEERING
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To,
The Principal,
MRCE.

Subject: Request for Permission to Conduct a Program on "**A SEMINAR SESSION ON IMPORTANCE OF AICTE PARAKH CERTIFICATION**"

Respected Sir,

Greetings!!!

Dear Sir/Mam,

I hope this message finds you well. Our department is planning to organize "**A SEMINAR SESSION ON IMPORTANCE OF AICTE PARAKH CERTIFICATION**" which is scheduled for 19-07-2025, @3:00 AM - 4:00 PM. In this regard, I kindly request your permission to conduct the event. So that our students and faculty will be benefited out of it. Kindly accept our request and do the needful.

Thank you for your consideration.

Sincerely,
Dr.J. Gladson Maria Britto,

HOD CSE-DS

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Thanking You,

Yours truly,

Dr.J Gladson Maria Britto,

HOD CSE-DS

VISION

Leverage Data Science expertise in emerging technologies and innovations that benefits industry and society to foster a positive impact through data- driven insights

MISSION

To Equip Students with Innovative and Cognitive Skills in the field of Data Science, while instilling Ethical values and Fostering collaboration between Industry and Academia.

To create a learning environment focused on data science and programming for problem-solving, leveraging rapid technological advancements to enhance employ ability and opportunities for higher studies.

To Nurture knowledge that addresses Societal issues through Data Science

Program Outcomes (POs)

Engineering Graduates will be able to:

PO1: Engineering Knowledge: Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

PO2: Problem Analysis: Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development.

PO3: Design/Development of Solutions: Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required. (WK5)

PO4: Conduct Investigations of Complex Problems: Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

PO5: Engineering Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

PO6: The Engineer and The World: Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

PO7: Ethics: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

PO8: Individual and Collaborative Team work: Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

PO9: Communication: Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

PO10: Project Management and Finance: Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one’s own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

PO11: Life-Long Learning: Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

Program Educational Objectives (PEOs)

PEO1 – Our graduates will attain proficiency in delivering insights through analytics, visualization, design, implementation, and optimization using advanced methodologies and data science tools to effectively tackle challenges.

PEO2 – Our graduates will achieve the Skill to adapt rapidly evolving technologies, integrating new information effectively, and collaborating across multiple disciplines, with a strong focus on innovation and entrepreneurship

PEO3 – Our graduates will demonstrate strong moral values and professional ethics, with the ability to work both independently and collaboratively to address industry and societal needs.

Program Specific Outcomes (PSO's)

PSO1: Apply principles of Computer Science and Engineering to design advanced software tools for building intelligent prediction models that support data-driven decision-making processes.

PSO2: Leverage data science concepts to enhance knowledge in data analytics, statistics, and machine learning, aiming to solve real-world business challenges.

IN COLLABRATION WITH

Objectives

- Despite rapid increases in the quantity of technical students in India however, little is known about their quality. In particular, less information is available about the major specific competencies, knowledge, and soft skills of individuals.
- So, in this project, want to assess the technical knowledge, creativity and cognitive skills of Undergraduate and Post graduate students of India.
- Earlier the similar project was implemented by Stanford University, USA.
- They have implemented the student assessment for various countries such as the USA, China, Russia and India. For India they have selected the 167 technical institutes for their study.

Purpose

Student Learning Assessment Project is to evaluate technical students of India and to assess their overall qualitative and quantitative growth during the course of study in order to get suitable employment. All India Council for Technical Education AICTE-SLA (PARAKH) project has been designed to measure the benchmark levels and gains in academic and higher-order thinking skills of students and faculties to understand the various factors that affect skill development in Technical Institutes across India.

Scope

Gathering and analysing data about student's achievement is only worthwhile if the information is utilized to improve outcomes for students. The data gathered by the project is used to evaluate the performance of lower level (Academic gain) and Higher order thinking skills gains and provide the enhancement methods by which Indian students can lead for a better opportunity in their profession and personal graph.

About SLA

All India Council for Technical Education (AICTE) is going to implement a large-scale program to assess and improve the skills of engineering students in India in AICTE Approved Technical Institutions across the country. In respect of analysis, each of the online assessments (including those testing academic skills and those testing higher order thinking skills) may be used for comparing student outcomes. More specifically, each of the Online assessments will be considered as unidimensional, reliable, and good at measuring a range of student ability. The vast majority of the items should also demonstrate psychometric characteristics of students.

Vision

Vision of AICTE - SLA (PARAKH) is to motivate bridging the gap between academics and industry by providing a platform for self-assessment of knowledge and 21st century skill capabilities in students and faculty members to ensure global competitiveness.

Mission

AICTE - SLA (PARAKH) will enable policymakers and institutions to assess global competitiveness of students, faculty members and stakeholders to trigger necessary interventions creating a more effective system of education in the country.

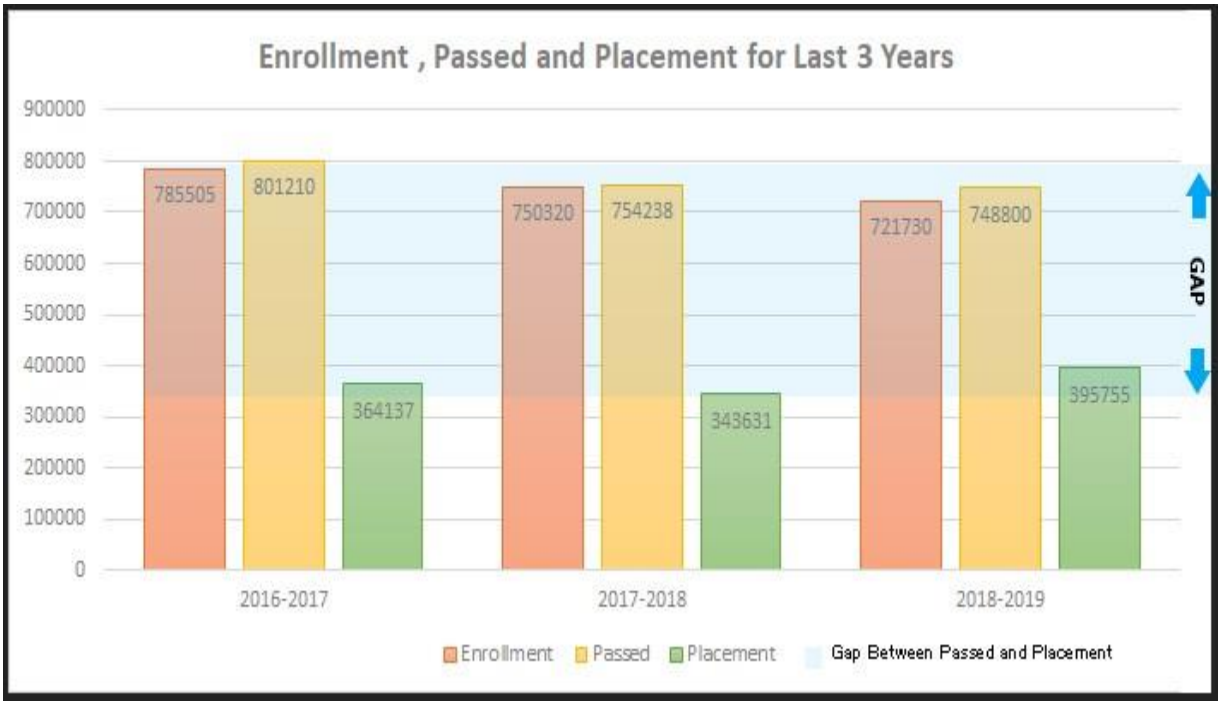
India's higher education system is the third largest in the world, next to the United States and China. As of 2021, India has over 1000 universities, with a break up of 154 central universities, 438 state universities, 126 deemed universities, 395 private universities, 7 Institute under State Legislature Act, and 159 Institutes of National Importance which include IIMs, AIIMS, IITs, IIITs, IISERs and NITs among others. Other institutions include 52,627 colleges as government degree colleges, private colleges, standalone institutes and post-graduate research institutions.

Indian higher education is radical in terms of accessibility, and needs reforms in standards, providing values and pacing. A focus on enforcing both streamlining and holding higher standards of curriculum, value - oriented and innovative, personalization of the sector for students to gain immediate and valid transferable credentials in their own pace, empowering students to enter the work-force with necessary building blocks of knowledge that leads to set of skills from an academic fields. India can be a World leader by creating skilled technical persons who have good academic knowledge and are able to apply academic information to innovate new research applications by the critical, analytical and cognitive skills. Prior to this project very less work has been done in India where cognitive skills are assessed to enhance growth for the students.

So, through this project AICTE would be assessing the quality of students and faculty members by evaluating their academic, social, cognitive, critical and behavioral development during their course of study. Student Learning assessment is likely to be enhanced further as this information will be used by faculty members and the institutions to:

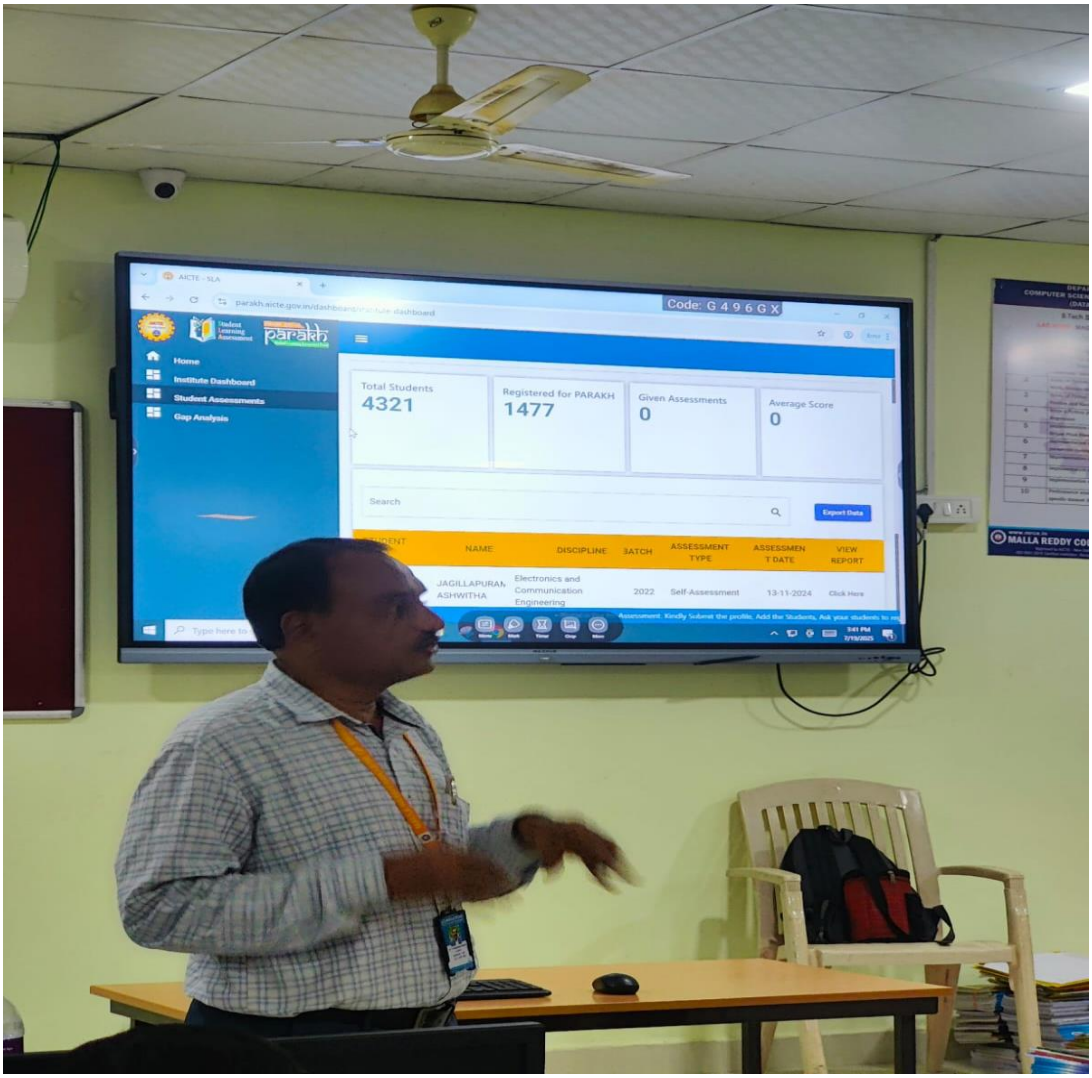
a) Build students' confidence and motivate them to make progress in personal and professional careers.
b) Develop new learning programs that match with the student's interest and their skill sets.
c) Identify the next learning phases for students and faculty members.
d) Analyze the causes of learning difficulties and make a policy to overcome these issues.

Goals

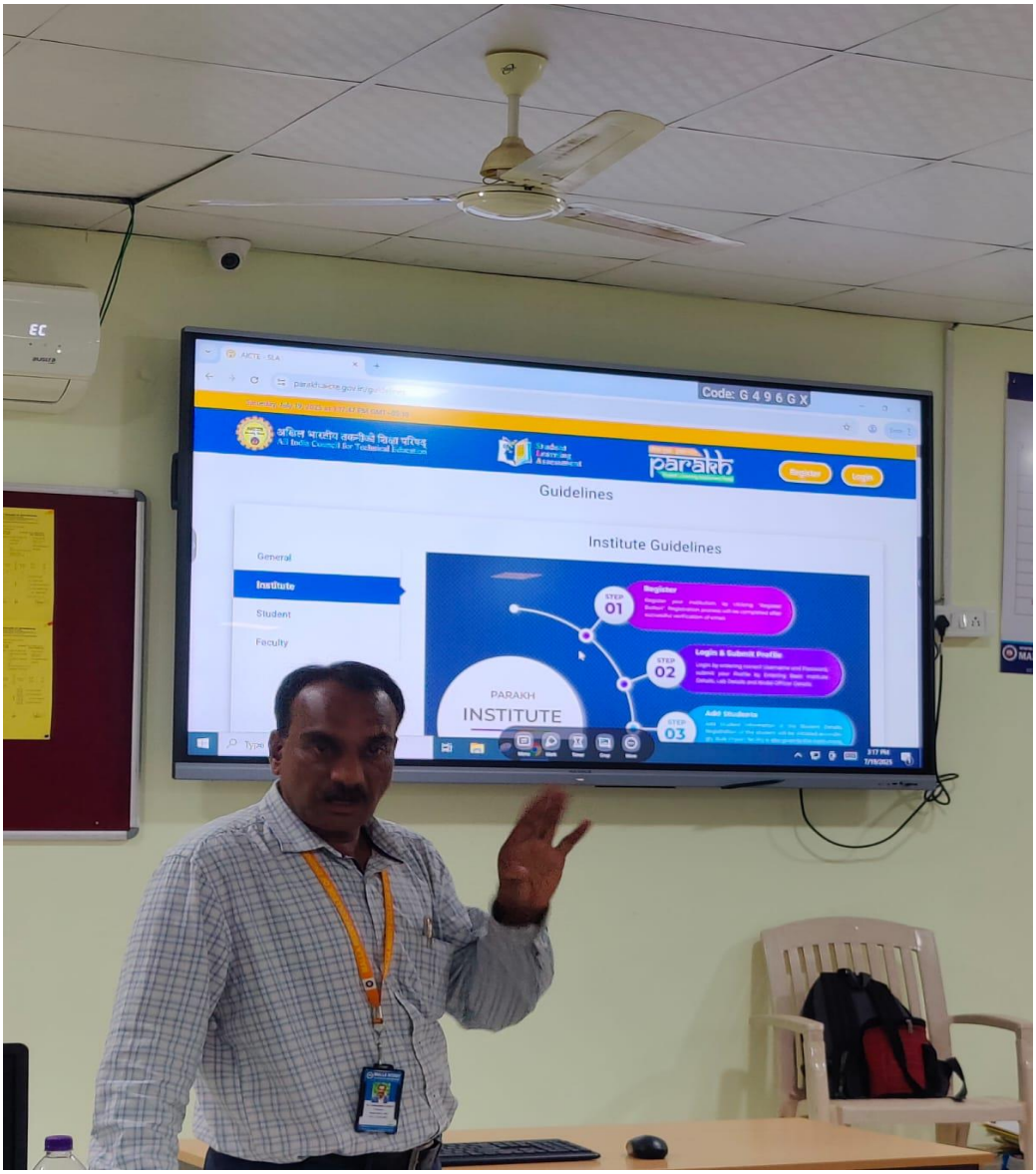


1. SKILLED GRADUATES
   To produce skilled graduates by attaining Academic Skills and Higher-Order Thinking Skills
2. PLACEMENT
   To Fill up the Gap between Passed and Placed Students in the country.
3. ALTRUISTIC
   To develop civic, social, and personal responsibility among the students of India.
4. INNOVATION
   To inculcate in student's Intercultural knowledge and collaborative problem-solving skills.
5. WEALTH
   Skilled Graduates can contribute towards productivity and innovation, which will lead to higher economic growth.

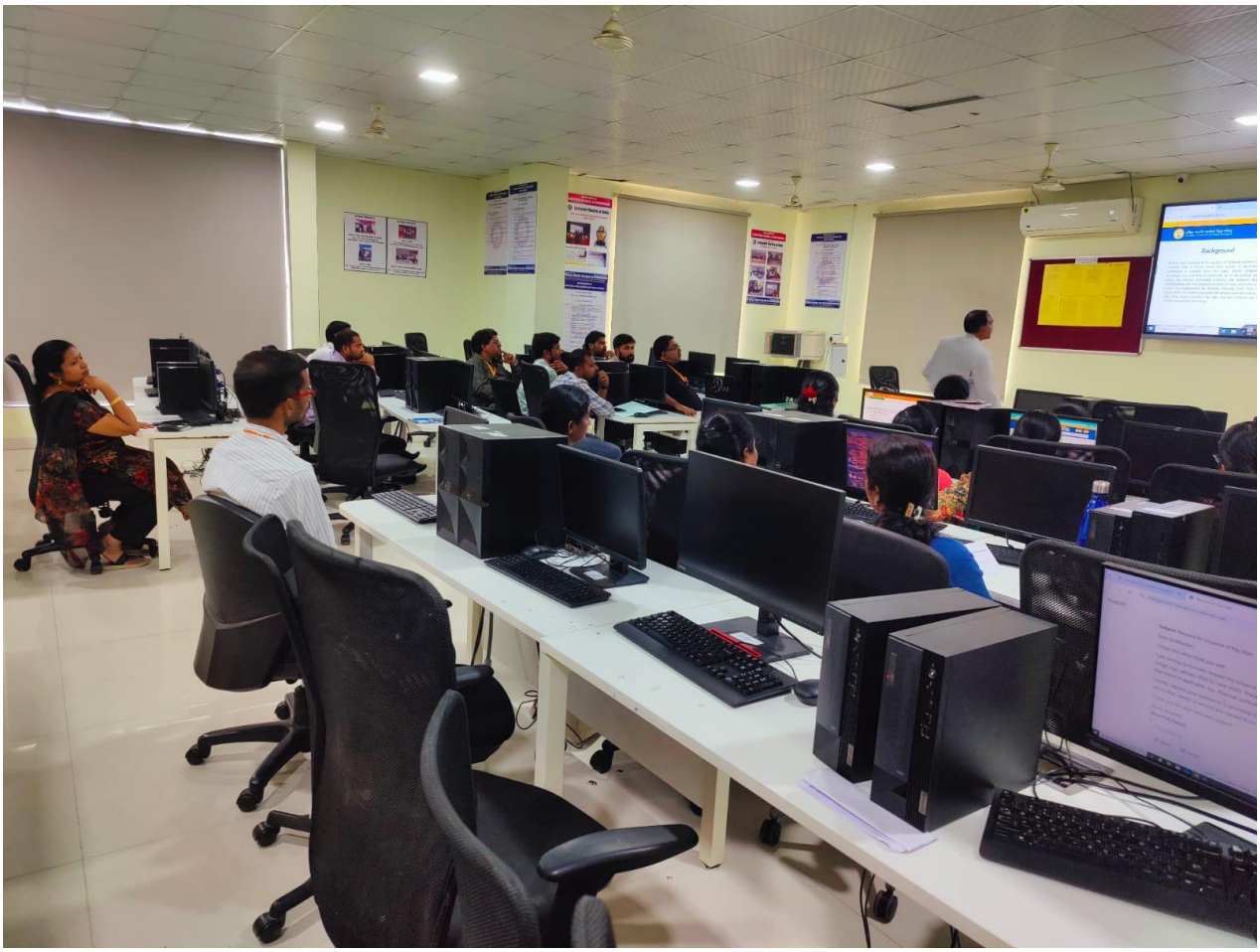
PHOTOS



Dr.V. Narasimha reddy dean-student affairs, Addressing the gathering



Dr. V. Narasimha Reddy Dean-Student affairs,
Explaining the importance of AICTE PARAKH



Dr. M. Sandhya rani Dean-Academics, attended the seminar

Dr. J. Gladson Maria Britto HOD CSE - DS faculty members gathered for seminar

Mrs. K. Sravanthi, faculty member of CSE - DS ,expressed her gratitude to all the seminar attendees and formally concluded the session.

OUTCOME :

1. The event encouraged students to develop startup ideas and build their own innovative companies.
2. Students gained awareness about entrepreneurship, innovation, and the importance of developing practical solutions.
3. The session inspired students through real examples like Datrix Loop, motivating them to Pursue creative projects.

Students understood how mock tests and skill-building platforms can improve their interview readiness and confidence.

PO'S AND PSO'S MAPPED :

Mapped POs: PO3, PO5, PO10, PO11
Mapped PSOs: PSO1, PSO2