G PULLA REDDY ENGINEERING COLLEGE (Autonomous): Kurnool

Affiliated to JNTUA Ananthapuramu

2.6.1 Programme Outcomes and Course Outcomes for all Programmes offered by the institution

Academic Year 2020-21

Programs offered by the Institution:

1. https://www.gprec.ac.in/programs-offered/civil-engineering/#programs-offered
2.https://www.gprec.ac.in/programs-offered/electrical-and-electronics-engineering/#programs-offered
3. https://www.gprec.ac.in/programs-offered/mechanical-engineering/#programs-offered
4. https://www.gprec.ac.in/programs-offered/electronics-and-communication-engineering/#programs-offered
5. https://www.gprec.ac.in/programs-offered/computer-science-and-6. engineering/#programs-offered
6. https://www.gprec.ac.in/computer-science-and-technology/#programs-offered
7. https://www.gprec.ac.in/computer-science-and-business-systems/#programs-offered
8. https://www.gprec.ac.in/programs-offered/computer-science-and-engineering/#programs-offered

Course outcomes:

1. https://www.gprec.ac.in/programs-offered/civil-engineering/#syllabus
2. https://www.gprec.ac.in/programs-offered/electrical-and-electronics-engineering/#syllabus
3. https://www.gprec.ac.in/programs-offered/mechanical-engineering/#syllabus
4. https://www.gprec.ac.in/programs-offered/electronics-and-communication-engineering/#syllabus
5. https://www.gprec.ac.in/programs-offered/computer-science-and-engineering/#syllabus
6. https://www.gprec.ac.in/computer-science-and-technology/#syllabus
7. https://www.gprec.ac.in/computer-science-and-business-systems/#syllabus
8. https://www.gprec.ac.in/programs-offered/computer-science-and-engineering/#syllabus
9. https://www.gprec.ac.in/programs-offered/humanities-and-basic-sciences/#syllabus

POs, PSOs and PEOs:

VISION:

To become the choicest institute of technology and a hub of academic and industrial research and development.

MISSION:

To provide conducive academic ambiance, excellent infrastructure, continually updated lab equipment, and committed and scholarly faculty to realize the vision of the college.

QUALITY POLICY:

G.Pulla Reddy Engineering College, Kurnool, is engaged in imparting "quality education and training" in the field of engineering and technology. It aims to be an institute of excellence of technical education through continual improvement. The institute facilitates faculty and staff to work as a team and update their knowledge and skill to match the industrial and technological development.

Civil Engineering

The department is one of the three departments with which the college was established in the academic year 1984-85 with intake strength of 60 per batch, now it is increased to 120 per batch. The Department is having an M.Tech course with Structural Engineering as Specialization. The department is having all the necessary labs with good equipment required for UG students. The department produced a large number of qualified engineers, the majority of whom settled well in India and abroad. The scheme of instruction and syllabi of subjects are revised at regular intervals to incorporate the latest topics as per the needs of the Civil Engineering Profession, such as Auto CAD, STAAD, Remote Sensing and GIS etc.

Vision :

To make the Civil Engineering Department at G. Pulla Reddy Engineering College (Autonomous), Kurnool; a leader in the education of practice-oriented Civil Engineers that benefit industry and society.

Mission:

M1: To prepare students for a career in the Civil Engineering Profession by providing technical knowledge and skills imparted by the team of faculty adopting an effective teaching-learning process.

M2: To produce quality Engineers who are capable of meeting the demands and challenges of the profession by focusing on the latest practices.

M3: To inculcate in its student's leadership abilities, research capabilities, ethical values, and work culture that would lead towards the betterment of the society.

Programme Educational Objectives (PEOs)

The educational objectives of the undergraduate program in Civil Engineering at G. Pulla Reddy Engineering College (Autonomous), Kurnool are to prepare graduates to possess the ability

1. Apply the broad, fundamental-based knowledge, and technical skills required for achieving professional success
2. Carry out design works in Civil Engineering, using relevant software tools, following appropriate procedures, keeping the economic and environmental aspects in view
3. Follow the professional ethics in the practice of the profession showing concern for social responsibilities.
4. Pursue a professional career aimed at effective management of resources and focus on lifelong learning and research.

Programme Outcomes (POs)

Engineering Graduates will be able to:

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identity, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
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 public health and safety, and the cultural, societal, and environmental considerations.
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.
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.
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.
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.

8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. **Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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.

11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

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.

Program Specific Outcomes (PSOs)

The Civil Engineering Graduates can :

1. **PSO1:**Plan, analyze and design the components of Engineering structures and transportation systems and estimate the cost of construction.

2. **PSO2:** Design and execute the construction of water resources projects and water distribution systems, using Engineering investigations and surveys.

3. **PSO3:** Implement the established procedures for conducting laboratory and field investigations on soils and engineering materials aimed at ensuring quality in the execution of civil engineering projects.

4. **PSO4:** Demonstrate professional ethics and implement the project management principles including project finance, leading to the execution of projects as per design requirement using technical skills and relevant software.

Electrical and Electronics Engineering

The department of EEE was established in 1994 to import high-quality technical education in the area of Electrical and Electronics Engineering with an intake of 60. The intake was increased to 120 from 2008 and is affiliated to Jawaharlal Nehru Technological University, Anantapur, Ananthapuramu. The department is headed by Dr. T. Bramhananda Reddy. The department has a strong pool of faculty with 14 Ph.D.'s and 7 M.Tech.'s. It boasts of having highly qualified faculty with an unparalleled level of expertise in its field. The pure expertise

and dedication of the faculty members along with infrastructural facilities coupled with the perseverance of the students have catapulted the branch to the top league. Break up of teaching staff is 3 Professors, 9 Associate Professors, and 9 Assistant Professors. Active research is going on in the areas of Power Systems, Power Electronics & Drives, and Control Systems.

Vision :

To transform the individuals into globally competent electrical and electronics engineers to realize the technological needs of the society and to develop the department into an ideal education and research center.

Mission :

Mission1: To impart high-quality education and enhance students' skills to meet the present needs by introducing concurrent trends in curriculum and through collaborative industry institution interaction.

Mission2: To share and disseminate expertise for use in the solution of problems faced by electrical & electronics engineering and by society.

Mission3: To mold the students into responsible citizens with social, ethical, and environmental awareness.

Programme Educational Objectives (PEOs)

The Programme Educational Objectives (PEOs) of the undergraduate program in Electrical and Electronics Engineering at G.PullaReddy Engineering College (Autonomous), Kurnool are to prepare graduates to possess the ability to

PEO1. Apply fundamental knowledge and up-to-date skills required in the field of electrical and electronic engineering in industry, academic and government sectors.

PEO2. Contribute to society as broadly educated, expressive, ethical, and responsible citizens with proven expertise.

PEO3. Work as well-grounded professionals as an individual or as a team leader or member for problem-solving.

PEO4. Act with global, ethical, societal, ecological, and commercial awareness expected of practicing engineering professionals.

Program Specific Outcomes: (PSOs)

PSO1. Specify, architect, and analyze power systems that efficiently generate, transmit and distribute electrical power in the context of present Information Control Technology (ICT).

PSO2. Analyze, design, and test the performance of modern electrical machines, drive systems, and modern lighting systems to suit the need of the industry.

PSO3. Specify, design, implement and test analog and embedded systems using the state of the art components and software tools.

Program Outcomes (POs)

The Programme Educational Objectives (PEOs) of the undergraduate program in Electrical and Electronics Engineering at G. Pulla Reddy Engineering College (Autonomous), Kurnool are to make the students attain

Electrical and Electronics Engineering Program Students will be able to

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identity, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

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 public health and safety, and cultural, societal, and environmental considerations.

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.

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.

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.

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.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

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.

Mechanical Engineering

The department of **Mechanical Engineering** has come into existence, since the inception of the college, in the year 1985. The present intake of students for the B.Tech. program is 180 and 18 for each of M. Tech. programs viz., M. Tech. in *CAD/CAM* and *Thermal Sciences and Energy Systems*. The Department is fortified with 36 teaching faculty and 16 supporting staff. Twelve of the faculty members possess Ph. D. degrees; eight faculty members are pursuing their Ph. D. degrees, and the rest of the faculty members are with M. E. / M. Tech. degrees.

The department is equipped with twelve well-established labs that give hands-on practical knowledge in the subjects. The department also runs PLM- Excellent center that trains the final

year B. tech. students in PLM software. A research lab on *Composites testing* is established to promote research in that area. APSSDC has sanctioned Siemens skill development center under which, CNC center and Manufacturing welding labs were established, in which, students from Polytechnics and Vocational courses are trained. Relevant licensed software like PLM, MAT Lab, Design Expert, Auto CAD, ANSYS Work Bench, CATIA R12, Uni-Graphics NX2.0, Solid Edge V14, CADian, Mechanical Desktop, Inventor-6, Esprit CAM, and Master CAM has been catering to the needs of students and faculty.

VISION

To develop the department into a model center of education and research in the field of Mechanical Engineering and allied areas and to become a significant contributor to the development of industry and society.

MISSION

M1 To impart quality technical education in emerging fields of Mechanical Engineering through the balanced academic curriculum under changing industry requirements.
M2 To establish centers of excellence where students can strengthen their entrepreneurial skills, technical workmanship, and research proficiency.
M3 To provide opportunities/platforms for students to nurture leadership abilities, ethical values; and to enable them to learn responsibility and accountability at work.
Programme Educational Objectives (PEOs)

The educational objectives of the undergraduate program in Mechanical Engineering at G. Pulla Reddy Engineering (Autonomous) Kurnool are to prepare graduates to possess the ability

PEO1. to apply a broad, fundamental-based knowledge, and up-to-date skills required in performing professional work in Mechanical Engineering and related disciplines.
PEO2. to design works about Mechanical Engineering, incorporating the use of design standards, realistic constraints, and consideration of the economic, environmental, and social impact of the design.
PEO3. to use modern computer software tools to solve Mechanical Engineering problems and explain and defend their solutions and communicate effectively using graphic, verbal, and written techniques to all audiences and
PEO4. to become successful entrepreneurs or leaders in private/governmental organizations or enter graduate programs in Mechanical Engineering and related disciplines and to pursue lifelong learning and research.

Program Outcomes (POs)

Mechanical Engineering Program Students will be able to

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identity, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

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 public health and safety, and cultural, societal, and environmental considerations.

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.

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.

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.

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.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader

in a team, to manage projects and in multidisciplinary environments.

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.

Program Specific Outcomes (PSOs)

Mechanical Engineering Program Students will be able to

PSO1. Understand the concepts of basic Mechanical Engineering and apply their theoretical & practical knowledge to solve problems in Thermal Engineering, Machine Design, Production Engineering, and Industrial Engineering.

PSO2. Solve engineering design and manufacturing problems, using CAD, CAE, and CAM tools, along with analytical skills to arrive at better solutions.

Electronics and Communication Engineering

The ECE dept. was established in the academic year 1984-85 with an intake of 40 and currently with 180 regular and 36 lateral entry students. The department is also offering two post-graduate programs with the specialization of Communications and Signal Processing and VLSI Embedded systems with an intake of 18 students.

The department has highly qualified faculty having specialized in diversified areas of technology like Communications, Signal Processing, Microelectronics, Microprocessors, Instrumentation and control, and Digital Electronics. The department is well equipped and has excellent laboratory facilities.

With the idea of “disseminating Knowledge through interaction”, the department has been organizing National Level Technical Symposiums for the past three years through the constant support and enthusiasm of the management, faculty, and students.

VISION

The department of Electronics and Communication Engineering aims to become a resource center for higher learning and research and to produce creative solutions for societal and technological needs.

MISSION

M1. To provide high-quality education and research infrastructure.

M2. To upgrade the teaching and learning techniques continuously for achieving excellence in the field of Electronics and Communication Engineering.

M3. To make the students globally employable and become entrepreneurs.

Goals of the department:

●	To develop innovative, competent, and quality engineers by imparting state-of-the-art technology.
●	To organize continuing education programs for the development of students, faculty members, and
●	To maintain industrial relations and to establish workstations in the field of VLSI and DSP.
●	To increase the number of Ranks in gate/end examinations.
●	To encourage the students and faculty members to undertake research programs and projects.
●	To enrich the students through value-based education.

Program Educational Objectives (PEOs)

The educational objectives of the undergraduate program in Electronics and Communication Engineering at G. Pulla Reddy Engineering (Autonomous), Kurnool (AP) are to prepare graduates to possess the ability

PEO1. To apply the broad, fundamental-based knowledge and up-to-date skills required in performing professional work in Electronics and Communication Engineering and related disciplines.

PEO2. To design components about Electronics and Communication Engineering, incorporating the use of design standards, realistic constraints, and consideration of the economic, environmental, and social impact of the design.

PEO3. To use modern computer software tools to solve Electronics and communication engineering problems and explain and defend their solutions and communicate effectively using a graphic, verbal, and written techniques to all audiences.

PEO4. To pursue a career in a private or governmental organization as a leader or enter graduate programs in Electronics and Communication Engineering and related disciplines and to pursue lifelong learning and research.

Program Specific Outcomes (PSOs)

The educational objectives of the undergraduate program in Electronics and Communication Engineering at G. Pulla Reddy Engineering (Autonomous), Kurnool (AP) are to prepare graduates to possess the ability

PSO1: Demonstrate principles of electronics, digital systems, microprocessors, and signal processing in the field of consumer electronics, medical electronics, defense, and aeronautical

industry.

PSO2: Analyze and design a variety of electronics and computer-based components and systems for applications including signal processing, communications, computer networks, and in the field of VLSI.

PSO3: Identify the technical methods for producing high-quality, compact, and power-efficient consumer goods at affordable prices.

Program Outcomes (POs)

Electronics and Communication Engineering Program Students will be able to

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identity, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

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 public health and safety, and cultural, societal, and environmental considerations.

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.

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.

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.

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.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

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.

Computer Science and Engineering

The Department of Computer Science and Engineering (CSE) was established in the year 1991 with an intake of 30. Over the years, it has grown by leaps & bounds and the current intake is 180. The department is accredited first in 2005 by the National Board of Accreditation, New Delhi for three years, re-accredited in 2008, and recently in 2019 accredited for three more years. The department also offers M.TechProgram in Computer Science and Engineering with an intake of 18. The department is recognized as a research center by JNTUA to offer a full-time Ph.D. program.

The department is continuously undertaking research, development, and training activities in emerging technologies for students and faculty. To provide training and introduce new innovative courses based on the industry demands, the department is collaborating with National and International Institutes, R & D Organizations, and Software Industries. The department is having MoU with IBM and CISCO and established required laboratories to offer certification courses in emerging technologies.

Vision:

The Department aims to become a leader in the field of education, training, and research in the Computer Science and Engineering discipline.

Mission:

M1: To strengthen the core competence in Computer Science and Engineering by imparting quality education and training.

M2: To promote innovation and research through collaborative and participatory approaches.
M3: To inculcate the leadership capabilities, ethical values, and professional behavior to face the challenges in the global market.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The Program Educational Objectives (PEOs) of the undergraduate program in Computer Science & Engineering at G. Pulla Reddy Engineering College (Autonomous) Kurnool are to prepare graduates to possess the ability to

PEO1. Analyze, Design, and Develop computer-based systems and applications using core areas of Computer Science & Engineering.

PEO2. Be engineering professionals, innovators, entrepreneurs engaged in their profession with social awareness and ethical values.

PEO3. Work in teams in multi-disciplinary areas to address the needs of society.

PEO4. Adapt to cutting-edge technologies by engaging themselves in lifelong learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Computer Science & Engineering program students will be able to

PSO1. Understand the principles, structure, and development methodologies of system software.

PSO2. Design, develop, implement and test application software for systems including distributed software systems.

PSO3. Understand the architecture and organization of computer systems, embedded systems, and networked systems.

PROGRAMME OUTCOMES

Computer Science and Engineering Program Students will be able to

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
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.

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 public health and safety, and cultural, societal, and environmental considerations.
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.
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.
6. **The engineer and society:** Apply to reason informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
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.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and teamwork:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
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.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
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.

https://www.gprec.ac.in/programs-offered/civil-engineering/
https://www.gprec.ac.in/programs-offered/electrical-and-electronics-engineering/
https://www.gprec.ac.in/programs-offered/mechanical-engineering/

https://www.gprec.ac.in/programs-offered/electronics-and-communication-engineering/

https://www.gprec.ac.in/programs-offered/computer-science-and-engineering/

https://www.gprec.ac.in/computer-science-and-technology/

https://www.gprec.ac.in/computer-science-and-business-systems/

https://www.gprec.ac.in/programs-offered/computer-science-and-engineering/

https://www.gprec.ac.in/ug-program/computer-science-and-engineering/

https://www.gprec.ac.in/programs-offered/humanities-and-basic-sciences/