



(Accredited by NAAC, Approved by AICTE
& Permanently Affiliated to JNTUH)



Student Hand Book

2020-21

J. B. Institute of Engineering and Technology

VISION:

To be a Centre of Excellence in Engineering and Management Education, Research and Application of Knowledge to Benefit Society with Blend of Ethical Values and Global Perception.

MISSION:

To Provide world class Engineering Education, Encourage Research and Development.

To Evolve Innovative Applications of Technology and Develop Entrepreneurship.

To Mould the students into Socially Responsible and Capable Leaders.

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Message from the desk of Secretary, JBES
Shri. J.V. Krishna Rao.

JB Institute of Engineering & Technology was established in the year 1997 under the umbrella of JB Group of Educational Institutions, Hyderabad. At present JBIET is a UGC Autonomous Institution and permanently affiliated to JNTU Hyderabad.



The Speedy development in the field of Information & Technology has accelerated the demand for the value based education in the stream of Engineering, Technology and Management which is qualitative, progressive and multidimensional in competitive global environment. We provide quality education beyond the four walls of classroom to cope up with the corporate world.

The aim of JBIET is not only to produce mere degree holders, but the bright, talented men and women equipped with all round development of personality. Our vision of the institute is to impart quality education with Life Skills in all core disciplines of knowledge by developing global leaders who are passionate, committed and confident to take initiative in the nation building and create a peaceful environment for WORK, WORKER AND WORKPLACE.

“Education is the passport to the future, for tomorrow belongs to those who prepare for it today”.

Message from the desk of CEO, JBIET
Major General Prof. Dr. S.S. Dasaka

I welcome you all to the portals of J.B. Institute of Engineering and Technology (JBIET) a Great Institution by all standards. Engineering continues to be a lucrative career for the bright minds, as it is only through engineers that the inventions of science can reach the masses, for the overall development and welfare of the society. With numerous development projects being executed and planned within the country and outside, engineers have a bright future. And at JBIET, we ensure that it happens.



JBIET has been one of the best engineering colleges in the two states of Telangana and Andhra Pradesh. It has been striving hard to not only maintain its standards but also to continuously improving them, so as to benefit the students in particular and the society at large. The college boasts of well qualified and self motivated faculties who have rich experience in academics, industry and research. They are backed up by experts from the industry. The curriculum is regularly revised to keep pace with the industry requirements, so that the students pass out as industry-ready graduates. The institute has excellent infrastructure, laboratories and workshops. The calm and quiet environment in the lush green campus, away from the hustle-bustle of the city, provides a tranquil environment, so conducive to quality Teaching -Learning.

At JBIET, we are very focused about the same and ensure that all students are put through “**Life Skills and Employability Skills Training**” right from the first semester itself. The JB Educational Group of Institutions has Architecture, Pharmacy, Law, Medical and Dental Colleges, all co-located within the same campus, along with JBIET. This provides to students the much needed inter-disciplinary teaching-learning environment, which is otherwise not available in many stand-alone colleges.

It will be the sincere endeavor of JBIET to turn you into knowledgeable Graduates / Postgraduates by guiding you and moving along with you during your studies at the institute. I would like to wish you all a studious, satisfying and enjoyable journey in this institute. Along with your parents/ guardians, we at the institute, will be looking forward eagerly and confidently to your bright success; so does the society and the nation. Remember what Swami Vivekananda said “**Arise, Awake and Stop not, till the goal is reached**”.

Looking forward to moving along with you in your beautiful journey ahead. Come, join us!

Wishing you All the Best!

Jai Hind

Message from the desk of Principal, JBIET
Dr. Sudhakara Reddy.

Welcome to the vibrant world of JB Institute of Engineering and Technology, Hyderabad, I on behalf of all the faculties and staff, congratulate you for choosing JBIET to reach the life goal. This Institute established in the year 1998 under the aegis of JB Group of Educational Institution's. JBGEI is the brain child of our visionary leader and founder chairman **Late Sri. J. Bhaskar Rao Garu**. In Consonance with the needs of time and to cope up with the dynamic changes in the era of technology dominant world.



At JBIET we the team are continuously working on to fulfill the local, regional, national and global aspirations of the youth of Telangana and Andhra in particular and India at large for providing the world class technical education to benefit all the sections of the society. In the current context of rapidly changing Socio-Economic Scenario, Demographic Dividend of India playing a major role in performing unexpected results. We go beyond the normal education system at our campus. The overall holistic development of the budding professional / technocrats of JBIETians with value addition education systems with **Employability and Life Skills, Techno Sessions, Cultural Fest, Technical Fest, QUIZ, Guest Lectures**, Industry Institute Interactions and the most important is the curriculum design in consult with Industry and university is extending full support to empower our institution.

Our Institute is committed to maintain an academically rich and professionally competent environment by encouraging the enterprising skills of our students. Our institute has consistently produced excellent results and its alumni are making their mark in distinguished organizations in India and overseas. We are constantly making efforts to ensure that our students showcase their academic talent with high moral values and make responsible citizens of the society and humanity.

I am confident that we as an Institute will grow and contribute positively and actively in transforming the society. With warm wishes.

Heads of the Department

CE	EEE	ME	ECE	
				MBA
Dr. A. Krishna Niveditha	Dr. P. Durai Pandey	Dr. T. Uma Maheshwar Rao	Dr. Towheed Sulthana	
CSE	IT	ECM	MIE	Dr. P. Subrahmanyam
				
Dr. P. Srinivasa Rao	Dr. L. Sridhara Rao	Mr. K. Roshan	Mr. Ch. Veera Reddy	

Deans

Dean R & D	Dean Academics	Dean Administration	Dean Quality Control	Dean IQAC
				
Dr. Niraj Upadhayay	Dr. P. Divakara Rao	Dr. N. Srinivasa Rao	Dr. Md. Salauddin	Dr. Sumagna Patnayak
Dean Student Affairs	Dean I.I.I.C	Dean Library	Dean 1st Year	
				
Dr. K. Kartigeyan	Dr. Vijayanand	Dr. Himanshu Sharma	Dr. L. Swarnalathamma	

About JBIET

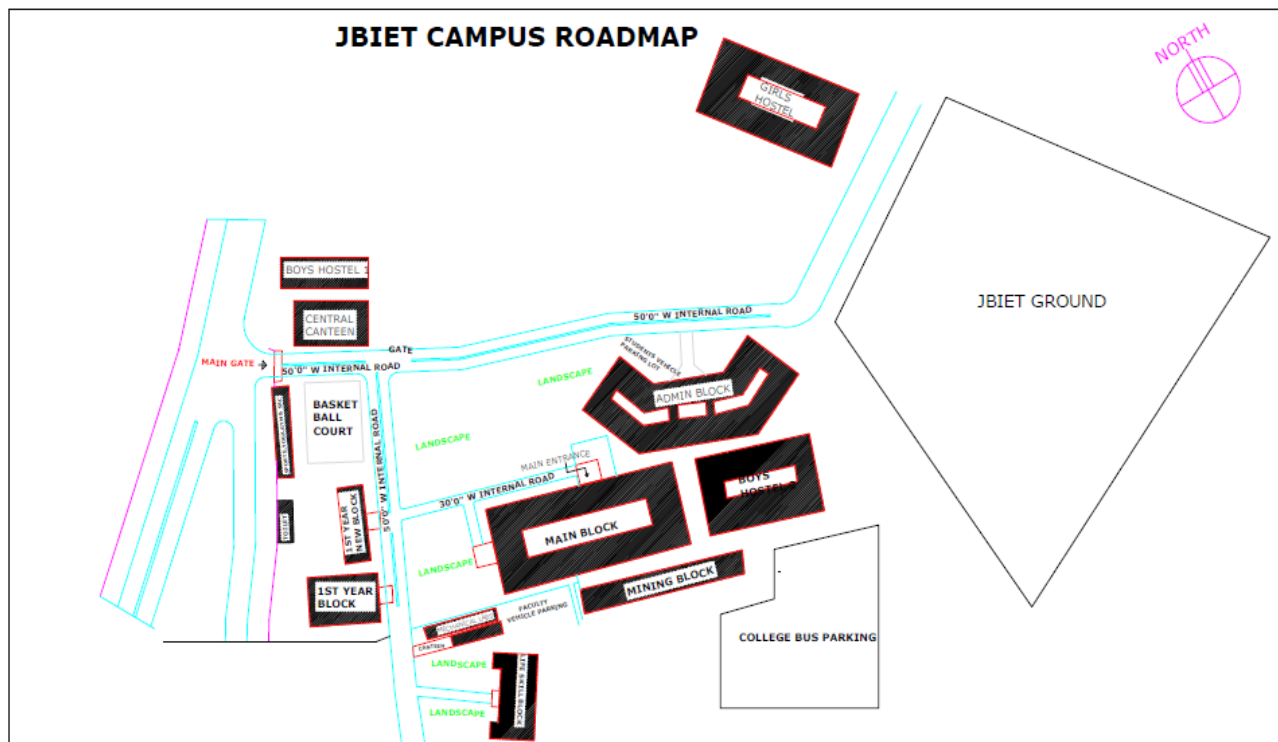
As one of the top ten most preferred institutions in Telangana, JBIET continues to strive to impart technical (engineering) and professional education of very high standards.

The aim of JBIET is to mould young learners into globally competitive professionals who are professionally deft, intellectually adept and socially responsible.

The expert faculty at JBIET inculcates the best values and principles, ascribing to a modern curriculum; while the students imbibe pragmatic perception and a pro-active nature, which spurs them towards exploration and advanced inquiry, resulting in valuable insights.

The Placement record of JBIET over the years is proof of our right efforts in enabling the best in class engineering, technical and professional education to aspirants.

JBIET Layout:



JBiet offers 4 years UG Engineering Degree Programmes in the following disciplines:

- Computer Science & Engineering.
- Information Technology
- Electronics & Communication Engineering.
- Mechanical Engineering.
- Electrical & Electronics Engineering.
- Electronics and Computer Engineering.
- Civil Engineering.
- Mining Engineering.

JBiet also offers Two Years PG Programs in the following areas:

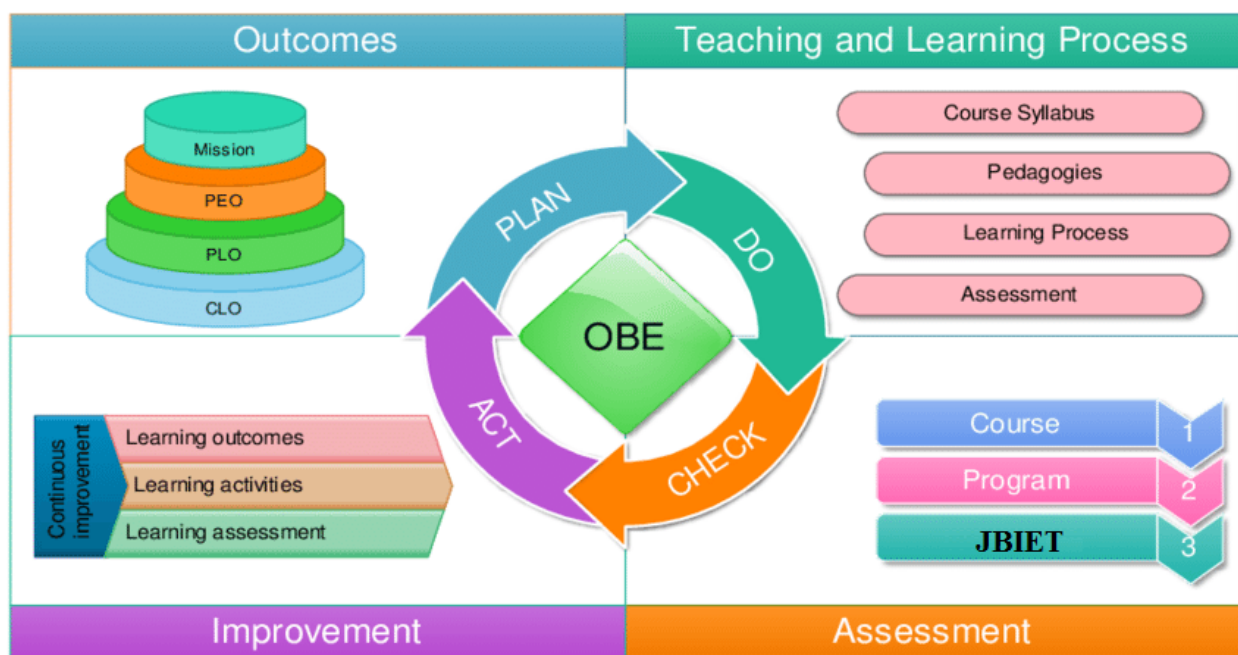
- M Tech in VLSI System Design.
- M Tech in Computer Science & Engineering.
- M Tech in CAD/CAM.
- M Tech in Electrical Power Systems.
- M Tech in Structural Engineering
- Master of Business Administration.

OUTCOME BASED EDUCATION (OBE)

Outcome Based Education (OBE) is a systematic approach encompassing **defining, designing, building, focusing and organizing** everything in an education system in which emphasis is laid on **what the student has learnt or able to demonstrate as a result of their learning** rather than only on what has been taught to them. In simple terms, OBE **ensures standard of quality** in education system. Being an Autonomous Institute, our Institute has adopted Outcome Based Education system to inculcate academic excellence through various initiatives such as **Student Centric Teaching & Learning Process, Industry relevant curriculum, Highly Qualified Faculty with relevant experience in Industry & Academia, Multidisciplinary Research & Development, and Student Mentoring** etc.

How OBE helps students?

OBE ensures that a set of **learning outcomes from students are established** right in the beginning of the learning process. This helps the teacher to **streamline** the process of **curriculum design, course delivery & course assessment** to meet the required learning outcomes. This ensures **student centric education system**, where each **& every student is assessed against the learning outcome**, thereby ensuring high quality in education.



National Board of Accreditation (NBA)

The National Board of Accreditation (NBA) is one of the central accrediting bodies in India which ensures **quality assurance & continuous improvement** of the programme **through critical appraisal**. OBE is implemented & assessed at the programme level to meet the necessary quality or standard prescribed by the Independent accrediting bodies. NBA is one amongst them. JBIET has already applied for NBA accreditation under Tier-I for which the inspection is pending

Definitions of some of the terms used in Outcome Based Education (OBE)

(a) **Mission and Vision statement** -- Mission statements are essentially the means to achieve the vision of the institution. For example, if the vision is to create high-quality engineering professionals, then the mission could be to offer a well-balanced programme of instruction, practical experience, and opportunities for overall personality development. Vision is a futuristic statement that the institution would like to achieve over a long period of time, and Mission is the means by which it proposes to move toward the stated Vision.

(b) **Programme Educational Objectives (PEOs)** – Programme educational objectives are broad statements that describe the career and professional accomplishments that the programme is preparing graduates to achieve.

(c) **Programme Outcomes (POs)** – Programme Outcomes are narrower statements that describe what students are expected to know and be able to do upon the graduation. These relate to the

skills, knowledge, and behavior that students acquire in their matriculation through the programme.

(d) **Course Outcomes (COs)** -- Course Outcomes are narrower statements that describe what students are expected to know, and be able to do at the end of each course. These relate to the skills, knowledge, and behavior that students acquire in their matriculation through the course.

(e) **Assessment** – Assessment is one or more processes, carried out by the institution, that identify, collect, and prepare data to evaluate the achievement of programme educational objectives and programme outcomes.

(f) **Evaluation** – Evaluation is one or more processes, done by the evaluation team, for interpreting the data and evidence accumulated through assessment practices. Evaluation determines the extent to which programme educational objectives or programme outcomes are being achieved, and results in decisions and actions to improve the programme.

(g) **Mapping** – Mapping is the process of representing, preferably in matrix form, the correlation among the parameters. It may be done for one to many, many to one, and many to many parameters.

List of Programme Outcomes (POs) as prescribed by the National Board of Accreditation (NBA) :

PO1- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2- Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3- 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.

PO4- 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;

PO5- 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.

PO6- 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.

PO7- 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.

PO8- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10- 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.

PO11- 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.

PO12- 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.

Programme Specific Outcomes (PSO)

Apart from above mentioned POs the programme will have **Programme Specific Outcomes (PSO)**, which mainly concerns with the outcomes specific to the sub discipline of the programme.



J.B. INSTITUTE OF ENGINEERING AND TECHNOLOGY

UGC AUTONOMOUS

ACADEMIC REGULATIONS R-20 FOR B.Tech (REGULAR) (CHOICE BASED CREDIT SYSTEM)

Applicable for the Students of B.Tech (Regular) admitted from the Academic Year 2020-21

1. ELIGIBILITY CRITERION FOR ADMISSION

1.1. The eligibility criteria for admission into B.Tech Programme shall be as per the guidelines issued by the Telangana State Council of Higher Education (TSCHE) or by any other competent authority of Telangana State Government.

2. UNDER-GRADUATE DEGREE PROGRAMMES OFFERED

2.1. J. B. Institute of Engineering and Technology (JBIET) offers a **4-Year (8 Semesters)** Bachelor of Technology (B.Tech.) Degree Programme, under Choice Based Credit System (CBCS) with effect from the **Academic Year 2020-21** in the following branches of Engineering:

S.No.	Branch
1	Civil Engineering (CE)
2	Electrical and Electronics Engineering (EEE)
3	Mechanical Engineering (ME)
4	Electronics and Communication Engineering (ECE)
5	Computer Science and Engineering (CSE)
6	Information Technology (IT)
7	Electronics and Computer Engineering (ECM)
8	Mining Engineering (MIE)

2.2. The medium of instructions for the entire Under Graduate Programme in Engineering & Technology will be English only.

3. DURATION OF THE UG PROGRAM

3.1. Minimum Duration: The minimum (normal) duration of the B. Tech. Programme for the student securing admission under Regular mode is **Four Academic Years (8 Semesters)** and for the student admitted under Lateral Entry Scheme is **Three Academic Years (6 Semesters)**.

3.2. Maximum Duration: A student admitted under Regular mode shall complete the B.Tech. Programme in a maximum period of **Eight Academic Years (16 Semesters)** and the student admitted under Lateral Entry Scheme shall complete the B.Tech. Programme in a maximum period of **Six Academic Years (12 Semesters)** starting from the date of commencement of First Year First Semester.

3.3. However, student is permitted to write the examinations for **Two more Academic Years** after the Maximum Duration of course work as mentioned in 3.2, failing which he/she shall forfeit his / her seat in B.Tech course.

4. PROGRAM STRUCTURE

4.1. Semester scheme: Each Under Graduate Programme is of **4 Academic Years (8 Semesters)** with the Academic Year divided into two Semesters of 22 weeks (≥ 90 instructional days) each. Each Semester is having 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)' under Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as indicated by UGC. The curriculum/course structure as suggested by JNTUH, AICTE are followed.

4.2. Credit courses:

All subjects/ courses are to be registered by the student in a semester to earn credits which is assigned to each subject/ course in an L: T: P/D: C (Lecture periods: Tutorial periods: Practical/Drawing periods: Credits) structure based on the following general pattern.

- One credit for one hour/ week/ semester for Theory/ Lecture (L) courses or Tutorials (T).
- One credit for two hours/ week/ semester for Laboratory/ Practical (P) & Drawing (D) courses.

Courses like Gender Sensitization, Environmental Science, Professional Ethics, Artificial Intelligence and Cyber Security are Mandatory Courses. These courses will not carry any credits.

4.3. All subjects/ courses offered for the Under Graduate Programme in E&T (B.Tech. degree programme) are broadly classified as follows. The College has followed almost all the guidelines issued by AICTE/UGC.

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	Foundation Courses (FnC)	BS – Basic Sciences	Includes mathematics, physics and chemistry subjects
2		ES-Engg Sciences	Includes fundamental engineering subjects
3		HS – Humanities and Social sciences	Includes subjects related to humanities, social sciences and management
4	Core Courses (CoC)	PC – Professional Core	Includes core subjects related to the parent discipline/ department/ branch of Engineering.
5		Project Work	B.Tech. project or UG project or UG major project or Project Stage I & II
6		Industrial training/ Mini- project	Industrial training/ Summer Internship/ Industrial Oriented Mini-project/Mini-project
7	Elective Courses (ElC)	PE – Professional Electives	Includes elective subjects related to the parent discipline/ department/ branch of Engineering.
8		OE – Open Electives	Elective subjects which include inter- disciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering.
9		Seminar	Seminar/ Colloquium based on core contents related to parent discipline/ department/ branch of Engineering.
10	Audit courses	-	Value Added Course / Audit Courses (Non-Credit)
11	Mandatory Courses(MC)	-	Mandatory courses (Non-credit)

AICTE Breakup of Credits

S.No	Category	Breakup of Credits
1	Humanities and Social Sciences (HS) including Management.	12
2	Basic Sciences (BS) Courses including Mathematics, Physics and Chemistry.	25
3	Engineering Sciences (ES) - Courses including Workshop, Drawing, Basics of Electrical / Electronics / Mechanical / Computer Engineering.	24
4	Professional Core (PC)-Courses relevant to the chosen specialization / branch.	48

5	Professional Electives (PE)-Courses relevant to the chosen specialization / branch.	18
6	Open Elective (OE) - Courses from other technical and / or emerging subject areas.	18
7	Mini-project / Project Work / Internship / Industrial training / Seminar	15
8	Mandatory Courses / Audit Courses.	Non-Credit
TOTAL		160

5. COURSE REGISTRATION

5.1. A 'Faculty Advisor or Counselor' is assigned to a group of 20 students, who will advise the students about the Under Graduate Programme, its course structure and curriculum, choice/option for subjects/ courses, based on their competence, progress, pre-requisites and interest.

5.2. Each student has to compulsorily register for course work at the beginning of each semester as per the schedule mentioned in the Academic Calendar. It is compulsory for the student to register for courses in time. The registration will be organized departmentally under the supervision of the Head of the Department. Students shall be allowed to register, only if he/she has cleared all the fee dues for the previous semesters and should pay the prescribed fees for the current semester.

5.3. A student is allowed to register for 160 credits in completion of B.Tech Programme.

5.4. Open Electives: The students have to choose requisite number of open electives (as prescribed in the course structure) from the list of open electives given. However, the student cannot opt for an open elective subject offered by his own (parent) department, if it is already listed under any category of the subjects offered by parent department in any semester.

5.5. Professional Electives: The students have to choose requisite number of professional electives (as prescribed in the course structure) from the list of professional electives given.

6. SUBJECTS/ COURSES TO BE OFFERED

6.1. A typical section (or class) strength for each semester is 60.

6.2. A subject / course may be offered to the students, only if a minimum of 20 students ($\frac{1}{3}$ of the section strength) opt for it. The maximum strength of a section is limited to 80 ($60 + \frac{1}{3}$ of the section strength).

6.3. More than one faculty member may offer the same subject (lab / practical may be included along with the corresponding theory subject in the same semester) in any semester. However, the selection of choice for students will be based on - 'first come, first serve basis and CGPA criterion'.

6.4. If more entries for registration of a subject come into picture, then the Head of the Department concerned shall decide, whether or not to offer such a subject / course (Professional Elective and Open Electives) for two (or multiple) sections.

7. ATTENDANCE REQUIREMENTS

7.1. A student is eligible to appear for the Semester End Examinations, if the student acquires a minimum of 75% of attendance in aggregate of all the subjects / courses (excluding attendance in Mandatory Courses and Audit Courses) for that semester. Two periods of attendance for each theory subject shall be considered, if the student appears for the Mid-Term Examination of that subject. The attendance of Mandatory and Audit Non-Credit Courses should be maintained separately.

7.2. Shortage of attendance in aggregate up to 10% (65% and above, and below 75%) in each semester may be condoned by the College Examination Committee on genuine and valid grounds, based on the student's representation with supporting evidence.

7.3. A stipulated Condonation fee is payable for condoning of shortage of attendance. This fee will be informed time to time by the college administration.

7.4. Shortage of attendance below 65% in aggregate shall in no case be condoned.

7.5. Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled. They will not be promoted to the next semester.

7.6. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which the student has been detained.

7.7. A student detained in a semester due to shortage of attendance may be readmitted in the same semester in the next academic year for fulfillment of academic requirements. The academic regulations under which a student has been readmitted shall be applicable.

8. ASSESSMENT AND EVALUATION

8.1. The performance of a student in all theory and Laboratory courses shall be evaluated for 100 marks each, with 35 marks allotted for Continuous Internal Evaluation (CIE) and 65 marks for Semester End-Examination (SEE). The details of course-wise evaluation are mentioned below.

S. No.	Course	Marks	
		CIE	SEE
1	Theory courses	35	65
2	Laboratory courses	35	65
3	Mandatory courses	35	65
4	Certificate/Audit Courses	--	--
5	Internship- I	50	
6	Internship- II	50	
7	Mini Project	50	
8	Project Work Phase - I	35	65
9	Seminar	50	
10	Project Work Phase - II	35	65

8.2. CONTINUOUS INTERNAL EVALUTION (CIE)

8.2.1. THEORY COURSES

Continuous Internal Evaluation (CIE) for theory courses has the following components.

S.No	Component	Marks
1	Mid-Term Examinations	20
2	Online Quiz Examinations	5

3	Assignments	5
4	Attendance	5
Total		35

a) Mid-term Examinations (20 marks):

There shall be two Mid-Term Examinations of 60 minutes each. The First Mid-Term Examinations shall be conducted with syllabi from Units I & II and the Second Mid-Term Examinations shall be conducted with syllabi from Units III, IV & V. In each theory course, the question paper for the Mid-Term Examinations consists of four questions each for 5 marks with “either” / “or” option. A student is required to answer all four questions for maximum 20 marks. In final assessment, the average performance in the two Mid-Term Examinations shall be considered for awarding marks.

If a student is absent for any Mid-Term Examinations, he/she may be permitted to apply for makeup examinations within a week after completion of Mid-Term Examinations on medical grounds. A subcommittee with the following composition will look into such cases.

Subcommittee-composition:

S.No	Faculty Member	Designation
1	Concerned Head of the Department	Chairman
2	Faculty nominated by Principal	Member
3	Senior faculty member of the concerned Department	Member
4	Class Teacher of the class/section	Member

b) Online Quiz Examinations (5 marks):

Two Online Quiz Examinations of 20 minutes each shall be conducted with syllabi from Units I & II for the first and Units III, IV & V for the second. The Online Quiz Examination shall have 20 multiple choice questions. In final assessment, the average performance of the student in two Quizzes shall be considered for awarding marks.

c) Assignments (5 marks):

There shall be one assignment from each unit. The average of better four assignments marks shall be considered for awarding marks. The assignments are used to test the student in Bloom’s higher order thinking skills.

d) Attendance (5 marks):

A student shall be awarded maximum 5 marks in each course based on the percentage of attendance as given below:

% of attendance	Marks
≥ 95	5
90 to < 95	4
85 to < 90	3
80 to < 85	2
75 to < 80	1

- e) For the courses like Engineering Graphics/Engineering Drawing, the CIE shall be 35 marks (20 marks for day-to-day work, 10 marks for two mid-term examination and 05 marks for attendance) and 65 marks for SEE. A student is required to answer 2 questions for maximum 10 marks in mid-term examination. In final assessment, the better performance of the two shall be considered for awarding marks. The question paper for the mid-term examination consists of 2 questions with “either” / “or” option.

8.2.2. LABORATORY COURSES

a) Continuous Internal Evaluation (CIE)

The continuous internal evaluation for laboratory courses (including Engineering drawing and graphics, Machine drawing etc.) is based on the following parameters:

S.No	Component	Marks
1	Day-to-Day Evaluation	20
2	Internal Examination	10
3	Attendance	5
	Total	35

8.3. SEMESTER END EXAMINATIONS (SEE)

8.3.1. THEORY COURSES

The semester end examinations for theory courses (including Engineering Graphics and Engineering Drawing) will be conducted for duration of 3 hours. In each course, the question paper shall consist of 5 questions, one from each Unit with either / or option, carrying 13 marks. A student is required to answer all 5 questions for maximum 65 marks.

8.3.2. LABORATORY COURSES

The performance of the student in laboratory courses shall be evaluated jointly by Internal and External Examiners for 3 hours duration.

8.4. INTERNSHIP

The students should undergo two Internships in an Industry of their specialization. The Internship must involve practical work related to systems engineering, Industry practices etc. The duration of Internship shall be for a period of minimum 4 weeks continuously.

The Internship-I is to be taken up during the vacation after I Year II Semester Examination and it will be evaluated in II Year I semester for 50 marks.

The Internship-II is to be taken up during the vacation after II Year II Semester examination and it will be evaluated in III Year I semester for 50 marks.

For both the Internships, the student shall submit a report on the training undergone, along with a certificate from the organization. The internships shall be evaluated by a three-member committee constituted by the Head of Department to assess the student performance on the following parameters. There shall be no Semester End Examinations for the Internships.

Parameter	Marks
Internship report	15
Quality of work	15
Presentation	15
Viva-Voce	5
Total	50

8.5. INDUSTRY ORIENTED MINI PROJECT

A student is required to undergo a Mini Project of his/her choice during the vacation after III Year II Semester Examination by applying theoretical concepts to develop a practical component /element/system that includes design/ testing/ analysis. The performance of a student in the Mini Project shall be evaluated in IV Year I Semester by a three-member committee constituted by the HoD as per the following parameters:

Parameter	Marks
Mini Project report	15
Quality of work	15
Presentation	15
Viva-Voce	5
Total	50

The performance of a student in Mini Project shall be evaluated based on two reviews, each carrying 50 marks. The average marks of these two reviews will be awarded. However, a student who fails to secure minimum 40% marks or abstains will be permitted to reappear in the subsequent semester(s). There shall be no Semester End Examination for the Industry Oriented Mini Project.

8.6. SEMINAR

There is a Seminar in IV Year II Semester for 50 Marks. The student shall deliver a seminar on any emerging topic of his / her choice from the core technical domain. The student shall submit a duly-certified Seminar report. A three-member committee constituted by the HoD will evaluate the Seminar report submitted by the student. There shall be no Semester End Examination.

8.7. PROJECT WORK

The student is required to undertake a Project Work by using the knowledge acquired by him / her during the course of study. The student is expected to design and build a complete system or subsystem on his / her area of interest. The Project Work consists of two parts namely, Project Stage -I (Project Survey) and Project Stage – II (Project Implementation). Project Stage – I is carried out during IV Year I Semester and the Project Stage – II during IV Year II Semester. A project work shall be taken up by a batch of students not exceeding 4 members, under a faculty supervisor.

For Project Stage – I, the Project Review Committee (PRC) consisting of Head of the Department, Project Coordinator and two senior faculty members shall evaluate(SEE) the Project Work for 65 marks and Project Supervisor (CIE) shall evaluate for 35 marks. The student is deemed to have failed, if he /she (i) does not submit a report on Project Stage - I or does not make a presentation of the same before the evaluation committee as per schedule, or (ii) secures less than 40% marks in the sum total of the CIE and SEE taken together.

For Project Stage – II, the External Examiner shall evaluate the Project Work for 65 marks and the Project Supervisor shall evaluate it for 35 marks. The student is deemed to have failed, if he (i) does not submit a report on Project Stage - II, or does not make a presentation of the same before the External Examiner as per schedule, or (ii) secures less than 40% marks in the sum total of the CIE and SEE taken together.

For conducting Viva-Voce of Project Stage – II, Principal selects the External Examiner from the list of experts in the relevant branch submitted by the HODs of the College.

A student who has failed may reappear once for the above evaluation, when it is scheduled again; if student fails in such ‘one reappearance’ evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

8.8. MANDATORY COURSES (MC)

Mandatory courses are assessed for PASS or FAIL only. No credits will be assigned to these courses. If a student secures more than 40 out of 100 marks, he / she will be declared PASS, else FAIL. Only Pass/Fail is indicated in Grade Card. PASS grade is necessary to be eligible to get the degree.

8.9. AUDIT COURSES (AC)

The audit courses offered provide ample scope for the students as well as faculty to keep pace with the latest technologies pertaining to their chosen fields of study. No credits will be assigned to these courses. A separate certificate will be issued by the Head of the institution on satisfactory completion of Audit Courses.

8.10. MASSIVE OPEN ONLINE COURSES (MOOCs)

A student without backlog courses up to fifth semester shall be permitted to register online / self-study course in lieu of the Professional Electives, Open Electives from Massive Open Online Courses (MOOCs) offered by SWAYAM / NPTEL / EdX / Coursera / Udacity / Udemy /upgrad/ Khan Academy / Edureka / QEEE etc . However,

the syllabus of the MOOC course shall be approved by the concerned BOS. No formal lectures will be delivered for a self-study course.

One faculty member for each course shall be nominated as coordinator by the Department to monitor the progress made by the student. The coordinator need to carry out the conversion of grades awarded to the student in internal and external examinations by the Host institution into corresponding grades of Parent institution. If any student fails in successfully completing the MOOC course in the first attempt he/she must complete it in the supplementary examination conducted in the following semesters. The question paper pattern and evaluation process for the supplementary examination of such MOOC courses will be similar to that of any other theory course.

One faculty member for each course shall be nominated by the Head of Department to monitor the progress made by the student. The question paper pattern and evaluation process for these courses will be similar to that of any other theory course.

9. ACADEMIC REQUIREMENTS

9.1. A student is deemed to have fulfilled the minimum academic requirements and earned the credits allotted to each theory or practical or design or drawing course or project if he / she secures not less than 35% of marks (23 out of 65 marks) in the Semester End Examination and a minimum of 40% of marks in the sum total of the Continuous Internal Evaluation (CIE) and Semester End Examination (SEE) taken together.

9.2. A student is deemed to have fulfilled the minimum academic requirements and earned the credits allotted to Internships / Industry Oriented Mini Project / Seminar / Project Work if the student secures not less than 40% marks in each of them.

9.3. Promotion Rules for Regular Students

S. No.	Promotion	Conditions to be fulfilled
1	First year first semester to first year second semester	Regular course of study of first year first semester.
2	First year second semester to second year first semester	(i) Regular course of study of first year second semester. (ii) Must have secured at least 19 credits out of 38 credits i.e., 50% credits up to first year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3.	Second year first semester to second year second semester	Regular course of study of second year first semester.
4	Second year second semester to third year first semester	(i) Regular course of study of second year second semester. (ii) Must have secured at least 40 credits out of 80 credits i.e., 50% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Third year first semester to third year second semester	Regular course of study of third year first semester.
6	Third year second semester to fourth year first semester	(i) Regular course of study of third year second semester. (ii) Must have secured at least 61 credits out of 122 credits i.e., 50% credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
7	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester.

9.4. Promotion Rules for Lateral Entry Students

S. No	Promotion	Conditions to be fulfilled
1	Second year first semester to second year second semester	Regular course of study of second year first semester.
2	Second year second semester to third year first semester	(i) Regular course of study of second year second semester. (ii) Must have secured at least 21 credits out of 42 credits i.e., 50% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3	Third year first semester to third year second semester	Regular course of study of third year first semester.
4	Third year second semester to fourth year first semester	(i) Regular course of study of third year second semester. (ii) Must have secured at least 42 credits out of 84 credits i.e., 50% credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester.

9.5. A student eligible to appear in the Semester End Examination for any subject/ course, but absent from it or failed (thereby failing to secure 'C' grade or above) may reappear for that subject/ course in the supplementary examination as and when conducted. In such cases, internal marks (CIE) assessed earlier for that subject/ course will be carried over, and added to the marks to be obtained in the SEE supplementary examination for evaluating performance in that subject.

9.6. A student detained in a semester due to shortage of attendance may be re-admitted in the same semester in the next academic year for fulfillment of academic

requirements. The academic regulation under which a student has been readmitted is applicable. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which the student has been detained.

9.7. A student detained due to lack of credits, is promoted to the next academic year only after acquiring the required academic credits. The academic regulation under which the student has been readmitted is applicable to him.

9.8. A student who fails to earn all the 160 credits as indicated in the Program structure within **Eight Academic Years** from the year of admission shall forfeit his seat in B.Tech Program, unless an extension is given by College Academic Council to complete the Program for a further period of **Two Academic Years**.

10. GRADING PROCEDURE

10.1 Grades will be awarded to indicate the performance of students in each Theory subject, Laboratory / Practical, Seminar, Industry Oriented Mini Project, and Project Stage - I & II. Based on the percentage of marks obtained (Continuous Internal Evaluation plus Semester End Examination, both taken together) as specified in item 8 above, a corresponding letter grade is given.

10.2 As a measure of the performance of a student, a **10-point Absolute Grading System** using the following letter grades (as per UGC/AICTE guidelines) and corresponding percentage of marks is followed:

% of Marks Secured in a Subject/Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
Greater than or equal to 90%	O (Outstanding)	10
80 and less than 90%	A+ (Excellent)	9
70 and less than 80%	A (Very Good)	8
60 and less than 70%	B+ (Good)	7
50 and less than 60%	B (Average)	6
40 and less than 50%	C (Pass)	5
Below 40%	F (FAIL)	0

Absent	Ab	0
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Credit Points (CP) = Grade Point (GP) x Credits For a course
A student passes the subject/ course only when $GP \geq 5$ ('C' grade or above).

10.3 The Semester Grade Point Average (SGPA) is calculated by dividing the sum of Credit Points ($\sum CP$) secured from all subjects/ courses registered in a semester, by the total number of Credits registered during that semester. SGPA is rounded off to two decimal places. SGPA is thus computed as given below:

$$SGPA = \left(\sum_{i=1}^N C_i G_i \right) / \left(\sum_{i=1}^N C_i \right) \text{ For each Semester}$$

where 'i' is the subject indicator index (takes into account all subjects in a semester), 'N' is the no. of subjects 'registered' for the semester (as specifically required and listed under the course structure of the parent department), C_i is the no. of credits allotted to the i^{th} subject, and G_i represents the grade points (GP) corresponding to the letter grade awarded for that i^{th} subject.

10.4 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student in all semesters considered for registration. The CGPA is the ratio of the total credit points secured by a student in all registered courses in all semesters, and the total number of credits registered in all the semesters. CGPA is rounded off to two decimal places. CGPA is thus computed from the I Year II Semester onwards at the end of each semester as per the formula.

$$CGPA = \left(\sum_{j=1}^M C_j G_j \right) / \left(\sum_{j=1}^M C_j \right) \text{ for all S number of semesters registered}$$

(i.e., up to and inclusive of S semesters, $S \geq 2$),

where 'M' is the total no. of subjects (as specifically required and listed under the course structure of the parent department) the student has 'registered' i.e., from the 1st semester onwards up to and inclusive of the 8th semester, 'j' is the subject indicator index (takes into account all subjects from 1 to 8 semesters), C_j is the no. of credits allotted to the j^{th} subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that j^{th} subject. After registration and completion of I Year I Semester, the SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA:

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	4	A	8	4 x 8 = 32
Course 2	4	O	10	4 x 10 = 40
Course 3	4	C	5	4 x 5 = 20
Course 4	3	B	6	3 x 6 = 18
Course 5	3	A+	9	3 x 9 = 27
Course 6	3	C	5	3 x 5 = 15
	21			152

$$\text{SGPA} = 152/21 = 7.24$$

Illustration of calculation of CGPA up to 3rd semester:

Semester	Course/Subject Title	Credits Allotted	Letter Grade Secured	Corresponding Grade Point (GP)	Credit Points (CP)
I	Course 1	3	A	8	24
I	Course 2	3	O	10	30
I	Course 3	3	B	6	18
I	Course 4	4	A	8	32
I	Course 5	3	A+	9	27
I	Course 6	4	C	5	20
II	Course 7	4	B	6	24
II	Course 8	4	A	8	32
II	Course 9	3	C	5	15
II	Course 10	3	O	10	30
II	Course 11	3	B+	7	21
II	Course 12	4	B	6	24
II	Course 13	4	A	8	32
II	Course 14	3	O	10	30
III	Course 15	2	A	8	16
III	Course 16	1	C	5	5
III	Course 17	4	O	10	40
III	Course 18	3	B+	7	21
III	Course 19	4	B	6	24
III	Course 20	4	A	8	32

III	Course 21	3	B+	7	21
	Total Credits	69		Total Credit Points	518

$$\text{CGPA} = 518/69 = 7.51$$

The above illustrated calculation process of CGPA will be followed for each subsequent semester until 8th semester. The CGPA obtained at the end of 8th semester will become the final CGPA secured for entire B.Tech. Programme.

10.5 For merit ranking or comparison purposes or any other listing, only the ‘rounded off’ values of the CGPAs will be used.

10.6 SGPA and CGPA of a semester will be mentioned in the semester Memorandum of Grades if all subjects of that semester are passed in first attempt. Otherwise the SGPA and CGPA is mentioned only on the Memorandum of Grades in which sitting he passed his last exam in that semester. However, Mandatory Courses will not be taken into consideration.

11. PASSING STANDARDS

11.1 A student is declared successful or ‘**PASSED**’ in a semester, if he secures a $\text{GP} \geq 5$ (‘C’ grade or above) in every subject/course in that semester (i.e. when the student gets an $\text{SGPA} \geq 5.00$ at the end of that particular semester); and he is declared successful or ‘**PASSED**’ in the entire Under Graduate Programme, only when gets a $\text{CGPA} \geq 5.00$ for the award of the degree as required.

11.2 After the completion of each semester, a grade card or grade sheet is issued to all the registered students of that semester, indicating the letter grades and credits earned. It will show the details of the courses registered (course code, title, no. of credits, grade earned, etc.) and credits earned.

12. DECLARATION OF RESULTS

12.1 Computation of SGPA and CGPA are done using the procedure listed in 10.3 to 10.6.

12.2 For final percentage of marks equivalent to the computed final CGPA, the following formula may be used.

$$\% \text{ of Marks} = (\text{final CGPA} - 0.5) \times 10$$

12.3 Eligibility for award of B. Tech. Degree For Regular Students:

- A student who registers for all the specified subjects/ courses as listed in the course structure and secures the required number of 160 credits (with $\text{CGPA} \geq 5.0$), within **8 Academic Years** from the date of commencement of the First Academic Year, is declared to have ‘qualified’ for the award of B.Tech. degree in the chosen branch of Engineering selected at the time of admission.

- ii. A student who qualifies for the award of the degree as listed in item 12.3.1 is placed in the following classes in 12.5.

12.4 Eligibility for award of B. Tech. Degree (LES)

- i. The LES students after securing admission shall pursue a course of study for not less than **Three Academic Years** and not more than **Six Academic Years**.
- ii. The student shall register for 122 credits and secure 122 credits with $CGPA \geq 5$ from II Year to IV Year B.Tech. Programme (LES) for the award of B.Tech. degree.
- iii. The students, who fail to fulfill the requirement for the award of the degree in Six Academic Years from the year of admission. However, he/she is permitted to write the examinations for two more Academic Years after Six Academic Years of course work, failing which he/she shall forfeit his/her seat in B.Tech course.
- iv. The attendance requirement of B. Tech. (Regular) is also applicable to B.Tech. (LES).

12.5 A student with final CGPA (at the end of the Under Graduate Programme) ≥ 8.00 , and fulfilling the following conditions - is placed in 'First Class with Distinction'.

However, he / she:

- (i) Should have passed all the subjects/courses in 'first appearance' within the First 4 Academic Years (or 8 sequential Semesters) from the date of commencement of First Year First Semester.
- (ii) Should have secured a $CGPA \geq 8.00$, at the end of each of the 8 sequential semesters, starting from I Year I Semester onwards.
- (iii) Should not have been detained or prevented from writing the semester end examinations in any semester due to shortage of attendance or any other reason.

A student not fulfilling any of the above conditions with final $CGPA > 8$ is placed in First Class.

Students with final CGPA (at the end of the Under Graduate Programme) ≥ 6.50 but < 8.00 are placed in 'First Class'. Students with final CGPA (at the end of the Under Graduate Programme) ≥ 5.50 but < 6.50 , are placed in 'Second Class'. All other students who qualify for the award of the degree (as per item 12.3.1), with final CGPA (at the end of the Under Graduate Programme) ≥ 5.00 but < 5.50 , are placed in 'Pass

Class'. A student with final CGPA (at the end of the Under Graduate Programme) < 5.00 will not be eligible for the award of the degree. Students fulfilling the conditions listed under item 12.5 alone will be eligible for award of 'Gold Medal'.

However any amendments related to 12.5 by JNTUH for award of class will be applicable accordingly.

13.0 WITHHOLDING OF RESULTS

- 13.1** If the student has not paid the fees to the College at any stage, or has dues pending due to any reason whatsoever, or if any case of indiscipline is pending, the result of the student may be withheld, and the student will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.

14.0 STUDENT TRANSFERS

Transfer of students from other Colleges or Universities are permitted subjected to the rules and regulations of Telangana State Council for Higher Education (Technical Education Department) and JNTUH in vogue.

15.0 SCOPE

- 15.1** The academic regulations should be read as a whole, for the purpose of any interpretation.
- 15.2** In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Academic Council is final.
- 15.3** The College may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made is applicable to all students with effect from the dates notified by the College authorities.
- 15.4** Where the words "he", "him", "his", occur in the regulations, they include "she", "her", "hers".

16. MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	If the student:	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which student is appearing but has not made use of (material shall include any marks on the body of the student which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other student orally or by any other body language methods or communicates through cell phones with any student or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the students involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the student is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year.

4.	Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all End examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the chief superintendent/assistant – superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any	In case of students of the college, they is expelled from examination halls and cancellation of their performance in that subject and all other subjects the student(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that Semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a Police case is registered against them.

	injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	
7.	Leaves the exam hall taking away answer script or intentionally tear off the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that Semester/year. The student is also debarred for two consecutive semesters from class work and all End examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.
8.	Possesses any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.

OTHER REGULATIONS:

STUDENTS DISCIPLINE:

Students admitted to this college for the purpose of qualifying academic credit are responsible for his / her achievement and success. He / she shall pursue the academic career with all sincerity commitment and honesty. Students should bear in mind that college education is different from school education and hence day to day discipline in their studies is essential for their progress and it gets accumulated over the period to get the final grade / credit etc.

Students are responsible for their actions. Students should take care that their actions do not cause harm or damage to members of the college community or physical assets. When a student is charged with the violation of any law in a situation in which college is not involved, the college has no obligation to assist, but may afford to the student such assistance as appropriate and practicable.

FORMAL GRIEVANCE PROCESS:

A formal grievance process may be initiated in person by meeting the Mentor/ Class Incharge / HOD/ principal in writing to the Grievance Redressal Cell. For matters involving faculty, the grievance should be directed to the Principal only. The college strongly encourages submission of grievances in writing after meeting with the concerned person(s). The formal grievance must identify and include the following information.

- Complaints and the date signed
- Name of the accused individual, his / her position / status
- Contact information, if known
- Clear and concise description of the alleged incident(s), when and where it occurred.
- Description of all informal efforts, if any, to resolve the issue(s) with the person involved.
- Supporting documentation and evidence; and
- Names of the witnesses who may have direct and relevant information about the specific allegation. (With accompanying addresses, email addresses a telephone number)

Institution has constituted a separate Grievance Redressal Cell in accordance with the guide lines issued by AICTE. “Grievance Redressal Cell” handles routine issues and reports to the committees. Any grievance reported is scrutinized and necessary actions are always taken by the Cell. In case of emergency, the Principal conducts meetings and addresses the problems immediately.

Any major Grievance can be brought to the notice of

- i. Dr. P. Divakar- Dean Academics- +91- 7893006007

RAGGING:

Ragging is a social evil which can have an ill effect on the student community. This may have a psychological, mental, emotional, physical or other effect on a student. To curb this JBIET has taken several steps. With respect to the Reference to clause (g) of sub – section (I) of Section 26 of the University Grants Commission Act, 1956, and AICTE notification vide curricular no. F. No. 37-3/legal /AICTE/2009 dated 25/03/2009, all regulations will be followed strictly in the institute to root out ragging in all its forms, by prohibiting it by law, preventing its occurrence by following the provisions of these Regulations and punishing those who indulge in ragging as provided in these Regulations and the appropriate law in force.

Ragging constitutes one or more of any of the following acts

- a. Any conduct by any student or students, whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;
- b. Indulging in rowdy or undisciplined activities by any student or students, which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
- c. Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
- d. Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
- e. Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- f. Any act of financial extortion or the forceful expenditure burden put on a fresher or any other student by students;
- g. Any act of physical abuse, including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- h. Any act or abuse by speaking words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to a fresher or any other student;
- i. Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

Any Ragging complaint can be brought to the notice of

- i.. Dr. Karthigeyan- Dean Student Affairs-+91- 6302727408
- ii. Dr. Swarnalathamma- Dean Ist Year- +91- 8985042314

Women Protection & Empowerment Committee:

Following the UGC Guidelines with respect to “Women Empowerment & Protection” within the UGC approved institutions Women Protection and Empowerment Committee has been constituted to look into women safety & equitability of gender.

Any complaint can be brought to the notice of

- i. Dr. Towheed Sulthana- HOD-ECE- +91-9885685836

SC/ST Committee:

To counsel and guide SC/ ST students and help them to manage academic and personal issues of college life effectively JBIET has formed this Committee according to UGC guidelines.

Any complaint can be brought to the notice of

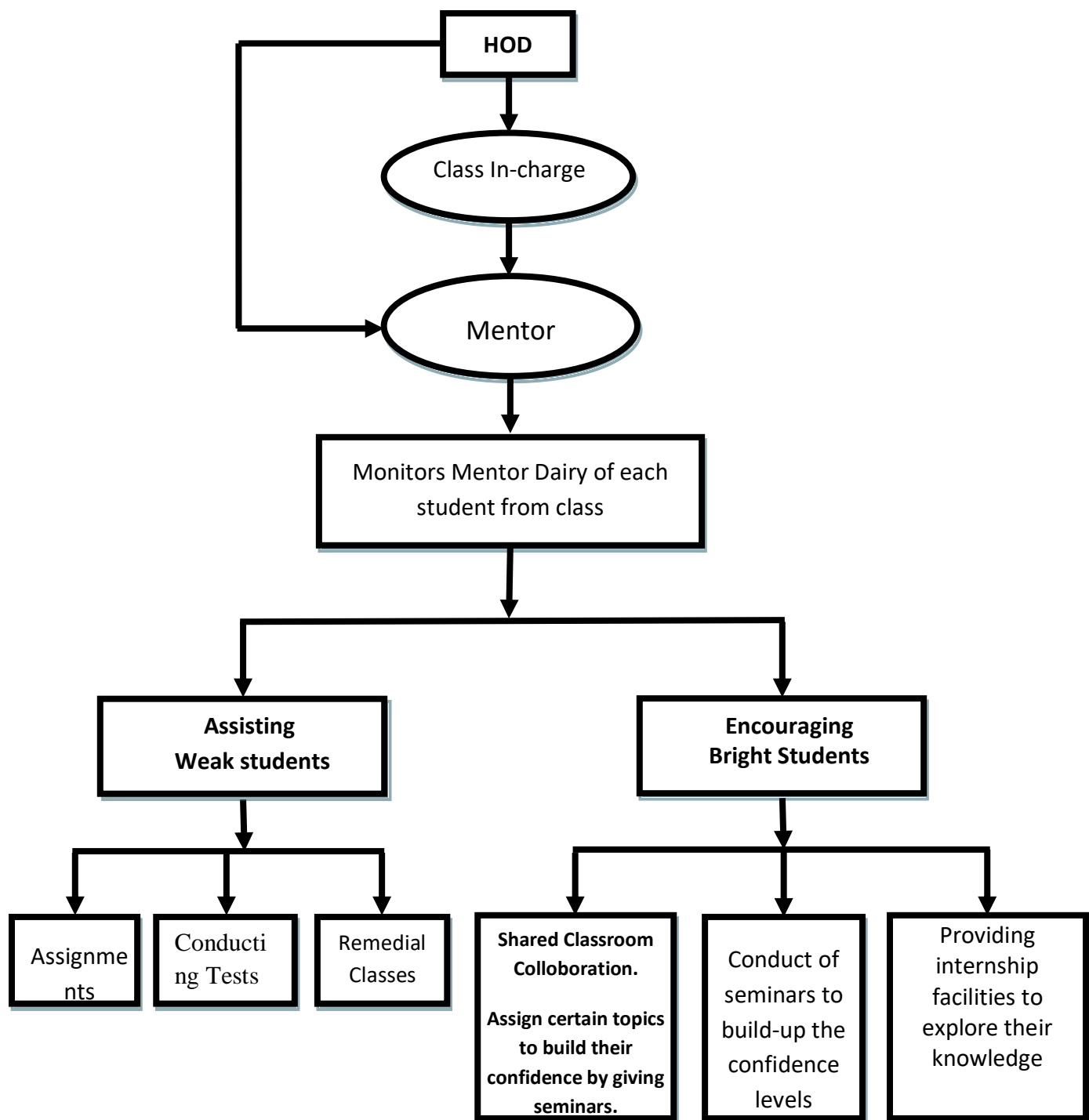
- i. K. Roshan- HOD-ECM- +91-9949106818

ADDITIONAL FACILITIES:

A. CURRICULAR:

1. MENTORING at JBIET:

An effective mentoring system is existing for the students to impart value based education to them. The dedicated and hardworking faculty play a vital role for achieving the effective mentoring. Every faculty is assigned 15 to 20 students for mentoring. Mentors meets their students once in fortnight and discuss various issues related to class room lectures, laboratory performances, participation in seminars / conferences / technical events, any academic difficulty faced in career development and personal problems if any. The faculty monitors their attendance and academic performance on regular basis. Slow learners are counseled periodically and necessary actions are taken so that there is progress in their academic performance. Faculty Mentors meet their students fortnightly and discuss various issues related to class room lectures, laboratory performances, participation in seminars / conferences / technical events, any academic difficulty faced and career development. The mentoring methods help to maintain a healthy relationship between faculty members and students.



Mentoring Process in JBIET

2. List of Professional Societies at Institute level:

S.No	Name of Dept.	Name of the Professional Society Chapter	Institute /Faculty /Student Chapter	Name of the Coordinator	Year of Establishment	Present Status Active / Inactive
1.	IT	Computer Society of India (CSI)	Institute Chapter	B.Deepthi Reddy	2010	Active
2.		NPTEL Local Chapter	Institute Chapter	Dr.N.Naveen Kumar	2019	Active
3.	CSE	Association for Computing Machinery (ACM)	Student Chapter	Mr.R.Srikanth	2014	Active
4.	ECE	Institution of Electronics and Telecommunication Engineers (IETE)	Student Chapter	N.Ramesh Babu	2016	Active
5.		IEEE	Student / Faculty Chapter	Dr.A.Jana	2018	Active
6.	EEE	Institute of Engineers (IE)	Student Chapter	Dr.K.Sunitha	2019	Active
7.	MECH	Society of Automotive Engineers (SAE)	SAE India JBIET Collegiate Club	J.Nagaraju	2009	Active
8.	CIVIL	Civil Engineering Students Association	Student Chapter	Sai Prateek	2018	Active
9.	EEE	Indian Society for Technical	Institute Chapter	Dr.T.Rajesh	2001	Active

		Education (ISTE)				
10.	MBA	Hyderabad Management Association	Institute Chapter	Mr.Rajesh Pershad	2009	Active

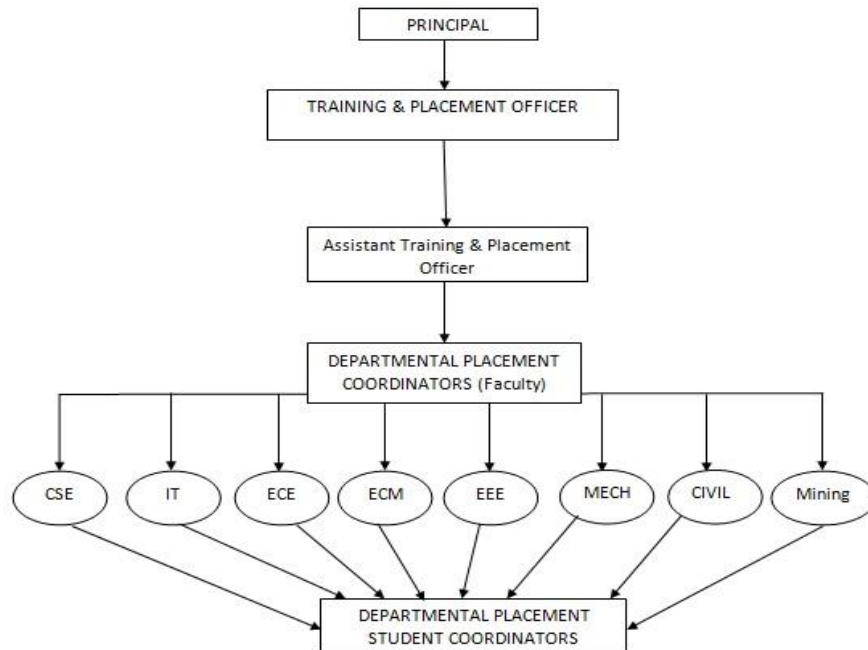
3. Career guidance cell:

Career Guidance cell functions in our institution with the objective, to provide learning/training opportunities in the areas of academics, career and personal/social development, to prepare students to meet their future challenges, supporting the students in identifying their interests, strengths and planning appropriately to justify their professional needs.

A separate cell, conference training room and separate well-furnished rooms for mock interviews and counseling have been set up and permanent training staffs are appointed to work with a full-time Dean, who encourages students to sharpen their skills and make them 'Industry Ready'.

4. Placement Cell:

The placement cell is headed by the principal of the institute. A central placement officer and an assistance coordinator is in-charge for all placement activities. A placement coordinator from each department supports him for the placement and training programs. They coordinate with departmental student coordinator for proper communication with students. J.B. Institute of Engineering and Technology has fully fledged placement Cell and is headed by Placement officer.



Placement Cell Working Hierarchy

In Addition, JBIET signed MOUs with 2 renowned trainers known for their skill in sending students abroad by training for GRE, TOFEL, GATE, etc. These are,

1. Manhattan Review
2. Global Tree

The companies provide support for higher education in India and abroad to the students of our department both within campus and outside the campus.

The support includes organizing regular guest lecturers to students, to inform about options available for higher education, process of getting admissions by several consultants, representatives of foreign universities and professors on tour for foreign university.

5. Entrepreneurship Cell :

JBIET has 3-tier entrepreneurship training structure. The bottom level is Entrepreneurship Development Cell (EDC) established in 2011 with AICTE grant. It helps by organizing various workshops, seminars featuring key entrepreneurs, finding organization funding in the area of entrepreneurship development like The Indus Entrepreneur (TIE). These

events were useful for students to network with people who can help them directly or lead to them to the requisite resources.

The second level is JBIET Institute innovation cell. It was started in 14th November, 2018 by the ministry of Human Resource Development. It set by the activities organized by MHRD Innovation cell (MIC) are done by JBIET students through this cell on a regular basis. This cell is very useful in collecting ideas of students and exposing them to the investors for probable funding. The students of our department actively participate in the cell/activities. This organization conducts workshops and seminars that help students to build new products and expose them well to the outside world. These two levels are giving solid support to students to become Entrepreneurs.

At the third level, JBIET has J.B.Institute Inventors Association of India (JBIIAI). It was established by the promoters of JB Administrators. It provides institute/national fellows and incubation facilities. JBIIAI funds good projects done by the JBIET students completely or partially to include sense of innovation in them. Every year it gives funds to two best projects of each department.

B. Extra-curricular Activities

1. Sports and Cultural Facilities

S.no	Facility Name	Description	Area/Size	Year of Establishment	User Rate
1	Basket Ball Court	Boys & Girls	28 X 15M	2014	40 Per Day (Approx.)
2	Cricket Ground	Boys	60 YDS	2004	60 Per Day (Approx.)
3	Volley Ball Court- 1	Boys	18 X 9M	2005	30 Per Day (Approx.)
4	Volley Ball Court-2	Girls	18 X 9M	2005	16 Per Day (Approx.)
5	Throw Ball Court	Girls	18.30 X 12.20M	2005	20 Per Day (Approx.)
6	Boys & Girls Indoor Games Facility Like Chess, Carroms & Table Tennis	Boys & Girls	BOYS- 19 X 13.60M GIRLS- 11 X 6.15M	2005	120 Per Working Day (On an Average)
7	Badminton Court-1	Boys	13.40 X 6.10M	2004	25 Per Day (Approx.)
8	Badminton Court-2	Girls	13.40 X 6.10M	2004	40 Per Day (Approx.)
9	Football Court Multi-Purpose	Boys	110 X 70M	2004	Every Week 30 Per Day Like (Saturday Only)

2. JBLET-NSS

Events conducted by JBLET NSS last year:

1. Haritha haaram
2. Voter enrollment
3. Create Digital awareness to youth

- 4.Awareness on health
5. Ram Navami celebrations in the Jeevanguda village
6. Rangoli competition for the Jeevanguda villagers
7. Development Of Primary Government School by conducting Basic Classes Through Digital Technology
8. Awareness of Evil Practices
- 9.Women empowerment
- 10.Bathukamma celebrations in JBIET
- 11.Orphanage visit
- 12.Traffic awareness by Cyberabad Police Commissionerate
- 13.Cloth collection drive (collected 944 clothes)
- 14.Beti Bachao Beti Pado
- 15.Cashless Transactions
- 16.Medical Camp
- 17.Blood Donation Camp
- 18.Literacy campaign
19. Election volunteering in 2019 elections
20. Mission Joginapally(2 NSS volunteers have been part of the mission)
- 21.Women's Day celebrations in JBIET
22. Represented JBIET in Inter college Elocution competition on "Kill Cancer" conducted at MREC.
23. Republic Day celebrations.

24. Installation of water tank in Jeevanguda school .

25. Awareness on Safety Measures.

3. UNNAT BHARAT ABHIYAN

Ministry of Human Resources Development (MHRD), Government of India has launched the national program called Unnat Bharat Abhiyan (UBA), with the vision to involve professional and higher educational institutions in the development process of rural areas in the country to achieve sustainable development and better quality of life. Our Institution has participated in UBA as a Participating Institute (PI). Dr. Sumagna Patnaik has been duly authorized in this regard to carry on the activities of UBA in our organization as Project Coordinator. Under the UBA program our Institute adopted a cluster of five villages in consultation with the Districts Collector. In regard our college received amount of Rs 50,000 from UBA, New Delhi. The following programmes has been organized under UBA(Unnat Bharat Abhiyan).

1. Two days workshop on rural immersion & community engagement on 19th& 20th June 2019 in association with MGNCRE, MHRD, Hyderabad.
2. Sanitation Awareness Programme Ensuring 100% ODF in doing village survey on 15th November 2019 at Yenkapally & Jeevanguda Village under Swachhata Action Plan, MGNCRE, MHRD

JBLET Students sent a report TO UBA (Unnat Bharat Abhiyan) stating the work done during the crisis hour of COVID-19 18th April 2020.



Unnat Bharath Abhiyan at Jeevanguda Village

4. Annual students activities

Annual Day – INXS

INXS is one of the biggest events of the Institute every year. The Council of Executives has a distinction of organizing the events every year. It contains music festivals and other cultural festivals. JBIET Annual day is world famous for more than 15,000 parents and staffs participated.



JBIET Annual Day celebration 2018 – 19

5. Info Quest:

Info Quest having established itself in the itinerary of Technical Festivals, aims at bringing together and fostering a plethora of engineering talent and technical aspirants from across the country. Info Quest promises to enable students to put their ideas against one another in a friendly yet competitive atmosphere. The spectrum of events ranges from INNOVA-Thon, Project Expo, PUBG to other fun events such as LAN gaming and many more spot events.

- Events organized during Infoquest
 - Paper Presentation
 - Entrepreneurial pitching
 - Project Expo

6. SPOORTI:

It is a prestigious annual cultural event of JBIET conducted for the past 20 years where student and faculty community get together and perform various kinds of cultural and art functions which improves the harmony within the campus. In-house cultural program at JB Group level is organized in which engineering students participate and get reward/ certificates. Listed below with couple of samples.

- a. **Rangoli Event** is conducted for Girl students & Ladies faculty every year.



Rangoli Celebrations

- b. **Teacher's day** is grandly celebrated on September 5th every year.
c. **Cultural, Traditional and Ethnic wear day** also been celebrated.



Traditional wear day celebration

Additional Facilities:

1. JBIET Library Services

The JBIET Library is located in the “Main Block” of the campus. It epitomizes the spirit and strength of the institute and offers an excellent opportunity to transform the academic environment of the College campus as a provider of information and a facilitator to learning. It has a rich collection of reference books, textbooks and research journals in both electronic as well as in print formats encompassing the field of engineering and management. Continuous updation using Information Technology or titles procured is incorporated to improve the quality and efficiency of the services that the library provides.

The Library is equipped with Reading Hall, Digital Library, Reference Hall and Newspaper Section. The entire Library is under the surveillance of CCTV cameras. Library automation is done by KOHA Library Management Software.

Borrowing of General Books:

Each Student borrows 04 books for a time duration of 15 days. Books will be issued to the members only on producing the Identity Card. If any book is lost or damaged beyond repair, the person responsible shall replace it with a new copy or pay double of the cost of the recent price and handling charges. More than one renewal will not be allowed for Books.

Book Bank Scheme:

JBIET Central Library offers to students Book Bank Scheme. It offers up to 06 books for every student up to Final Year. Book Bank facility helps in fulfilling students requirement for the prescribed books on Semester basis. Book Bank functions as one section of the Library.

Membership:

- Membership of the Book Bank is optional.
- Students desirous to become the member of the Book Bank will be required to pay the requisite fees.

Circulation of Books for Book Bank Members:

- A student may get a maximum of six books from the Book Bank at a time.
- Books will be issued at beginning of each semester as per the schedule notified for the purpose.
- Books will be issued for whole semester. Members will be required to deposit the books after the completion of the exam as per the schedule notified.
- A fine will be levied if book will not be returned as per the schedule.
 - Members will be responsible for any damage caused for the books. Members are advised to verify the physical condition of the books at time of its lending.
 - If a book is lost, the member will be required to provide the replacement of book and pay the overdue fine if any.

Extended Library Hours:

The Library serves the College community keeping open throughout the year on working days except on National holidays to facilitate the students. Library working hours are from 9 A.M to 6 P.M for the benefit of students.

Quality of Learning Resources (Hard/Soft)

- **Books** available in Library for book bank scheme: 73986
- **e-Books:** 100000+ ((through N-LIST, DELNET and National Digital Library)
- **Print Journals** (Subscription): 128
- **e-Journals:** 6000+ (through N-LIST)
- **Print Magazines** (Subscription): 21
- **Digital Library:** JBIET has Digital Library with 28 Computers. Digital Library has large database of NPTEL videos for easy access to students and faculty. Students can access all e-resources available in Digital Library.
- **National Digital Library:** JBIET is registered as a NDLI Club under the National Digital Library of India. So, students can access the contents available on National Digital Library website anytime.
- **NPTEL:** JBIET is recognized as National Programme on Technology Enhanced Learning (NPTEL) Local Chapter in 2019. Digital Library provides services to students and faculty interested to pursue NPTEL courses.
- **N-LIST:** JBIET is a member of "National Library and Information Services Infrastructure for Scholarly Content (N-LIST)". N-LIST content can be accessed by the faculty and students anywhere. N-LIST contains large database of e-books and e-journals related to Sciences, Humanities and English Language.
- **DELNET:** JBIET is an Institutional member of DELNET (Developing Library Networks) to share e-resources available like e-journals, e-books, articles and dissertations.
- **IEEE ASPP Online:** JBIET has IEEE e-journals subscription of ASPP (All Society Periodicals Package) which contains package of about 224 IEEE transactions and magazines.

- **English and Telugu Newspapers** are also subscribed by the Central Library for strengthening the reading and writing skills of Students.

2. TRANSPORTATION:

Fleets of buses are available from different corners of Hyderabad city to ferry the students and faculty. It ensures good connection of state transport buses from every part of the city. In addition to this, JBIET operates 28 buses of its own for its students and faculties.

3. MEDICAL CENTRE:

State of Art and completely free medical facility is provided to all JBIET employees and students by its sister concern Bhaskar Medical College and its 700 bedded Bhaskar General Hospital. **JBIET also provides accident death insurance upto 5lakhs to all the students.**

4. CAFETERIA:

The canteen serves both vegetarian and non-vegetarian food for day scholars and a bakery is available in the campus.

5. ONLINE PAYMENT:

TUITION FEE ONLINE PAYMENT INFORMATION

Kotak Mahindra Bank Account Details	
Account Name	JB Institute Of Engineering And Technology
Nature of Account	Saving Account
Account Number	3245661579

Bank Name	Kotak Mahindra Bank
Branch	Filmnagar
IFSC Code	KKBK0007485

Syndicate Bank Account Details	
Account Name	JBLET
Nature of Account	Current Account
Account Number	30833070000112
Bank Name	SYNDICATE BANK
Branch	JBLET - MOINABAD
IFSC Code	SYNB0003083
MICR Code	500025063

For Any Information Contact 77026 14449.

Note: After the payment is made the student are hereby instructed to send the payment details to the mail: accountsassistant@jbiet.edu.in for reconciliation in the accountant and fee receipt will be sent to the mail from which the mail have been received.

6. LIFE SKILLS -JBIET

Introduction to the skills program:-

At JB Group of Educational Institutions, we are imparting skills (life & professional skills) to the students through Experiential Learning/ Activity Based Learning methodologies.

Life Skills are those skills which enable an individual to be more competent in dealing with the day to day challenges in a positive way.

Essentially, these skills must be acquired by observing, doing, feeling and thinking for effective learning, retention and future application.

Professional skills are the core specializations' skills and refers to Technical Skills/ Management Skills/ Pharmaceutical Skills, etc.

Along with good technical understanding and subject knowledge, employers often outline a set of skills that they want from an employee. The skills like working in teams, Problem Solving, Self-Management, Organization Behavior, literacy and numeracy relevant to the post, ICT knowledge, Good Interpersonal and Communication Skills, Ability to use own initiative and as well to follow instructions and Leadership Skills are necessary.

UNICEF defines Life Skills as Behavior Change or Behavior Development approach designed to address the balance of three areas – Knowledge, Attitude & Skills and they lead to Outcome Based Education System which is very much different from Traditional Education System.

Life Skills are essentially those abilities that help to promote physical, mental and emotional well-being and competence to face realities of life.

WHO defines Life Skills as 'abilities for adaptive and positive behavior that enable individuals to deal effectively with the demands and challenges of everyday life'.

Life Skills bring greater acceptance, better relationships and a healthy, positive life and enables individuals to translate knowledge (what one knows), attitudes and values (what one believes and feels) into actual skills/ abilities/ actions (what to do and how to do it?).

Glimpses of Life skill Activities



7 Habits of Highly Successful Students

1. **Remains Motivated.** Be the best version of you. Self motivation leads to proactive behavior which goes long way to build dynamic personality. Motivation will get you started and Habit will keep you going.
2. **Stays Organized.** For every minute spent in organizing, an hour is earned. Staying organized reduces anxiety and puts you in control of any situation. Organization of micro issues leads to lesser stress, more efficiency and improves overall quality of life.
3. **Budgets Time Well.** Either you run the day or the day runs you. Successful students are able to chunk large tasks into smaller and manageable pieces. Ensuring time management is a key to successful completion of the most daunting tasks.
4. **Speaks Up.** Speak your mind even if your voice fumbles. Communication with friends and teachers will go extra mile for added assistance if you simply speak and ask. Ensure you build the courage to speak up and listen too.
5. **Gets involved.** Learning is more than paper, pen and books. Participation in extra-curricular activities also widens your horizon of interaction with the larger community and you end up learning interpersonal skills set.
6. **Lives Healthily.** You are what you eat. Proper nutrition, adequate exercise and staying hydrated are simple steps that reap big rewards. There is no diet that will do what eating healthy does; so skip the diet and just eat healthy.
7. **Communicates with Family.** To love of the family is the life's greatest blessing. Like branches of a tree, you may grow in different directions; however the root remains the same. Ensure you communicate good, bad and ugly with your family because it is where life begins and love never ends.