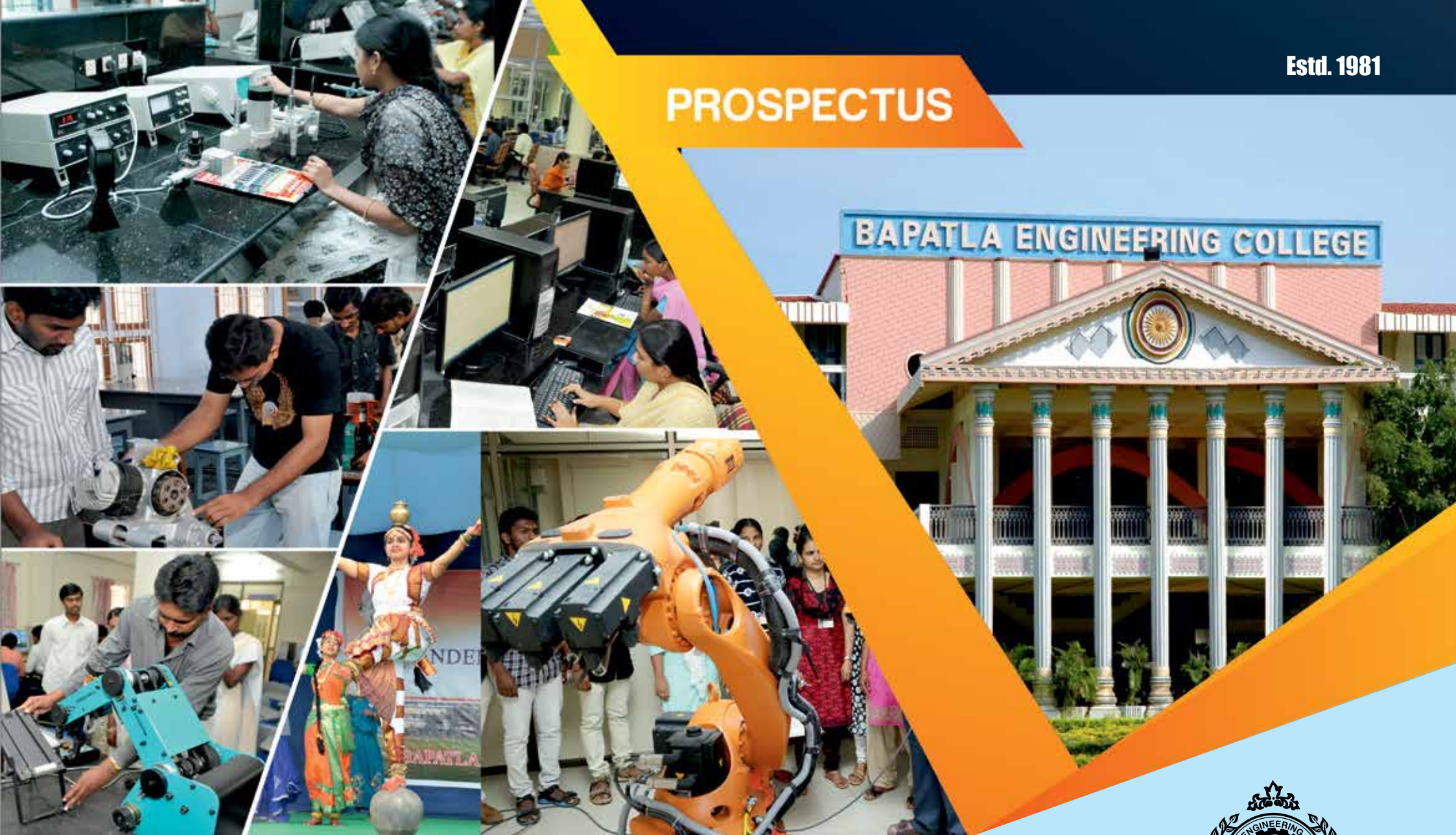


Estd. 1981

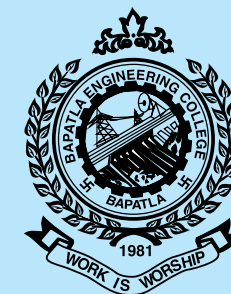
PROSPECTUS



Bapatla Engineering College

(AUTONOMOUS)

Sponsored by Bapatla Education Society



Bapatla Education Society - Executive Committee



Sri MUPPALANENI SESHAGIRI RAO
President



Sri MANAM NAGESWARA RAO
Secretary



Sri PALADUGU PAPA RAO
Vice President-1



Sri PANGULURI BHAVANARAYANA CHOWDARY
Joint Secretary & Correspondent



Sri BURLE VENKATA SIVA RAMAKRISHNA
Vice President- II



Sri CHANDRAPATI VENKAIAH
Treasurer

Our Vision

- *To build centers of excellence, impart high quality education and instill high standards of ethics and professionalism through strategic efforts of our dedicated staff which allows the college to effectively adopt to the ever-changing aspects of education.*
- *To empower the faculty and students with the knowledge, skills, and innovative thinking to facilitate discovery in numerous existing and yet to be discovered fields of engineering, technology and inter-disciplinary endeavors.*

Our Mission:

- *Our mission is to impart the quality education at par with global standards to the students from all over India and, in particular, those from the local and rural areas.*
- *We continuously strive for to maintain high standards to make them technologically competent and ethically strong individuals who shall be able to improve the quality of life and economy of our country.*

Heads of the Departments



Dr. K. Vizaya Kumar
Academic Advisor



Dr. V. Damodara Naidu
Principal



Dr. J. S. Rao
Head, Chemical Engg. & COE



Dr. Ch. Naga Satish Kumar
Head, Civil Engineering



Dr. Shaik Nazeer
Head, CSE



Dr. B. Chandra Mohan
Head, ECE



Dr. N. Rama Devi
Head, EEE



Prof. Ch. Ramesh
Head, EIE



Prof. N. Sivaram Prasad
Head, IT



Dr. T. Nanchaiah
Head, Mechanical Engg.



Dr. P. Vijaya Saradhi
Head, Mathematics



Dr. K. Rama Krishna
Head, Physics



Dr. V. Madhava Rao
Head, Chemistry



Dr. P. Asha Madhavi
Head, English



Mr. K. N. Prasad
Head, MCA



Mr. A. Rama Mohana Rao
Librarian



Mr. Justin Chako
Head, Placements



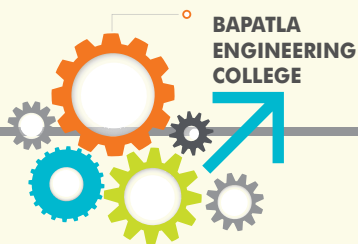
Dr. T. Chandrasekhara Rao
Warden, Campus Hostel



Dr. Meeravali Shaik
Physical Director



Mr. D. Gopala Krishna
Office Superintendent



The Bapatla Education Society, a non-profit, Philanthropic Society, was established in the year 1962 to impart quality education and to provide significant contributions to society locally, and nationally in general and Bapatla region, in particular

Sl. No.	Name of the Institution	Year of Establishment
1.	Bapatla College of Arts & Sciences	1963
2.	Bapatla Engineering College	1981
3.	Bapatla Public School	1987
4.	Bapatla Junior College	1994
5.	Bapatla College of Pharmacy	1995
6.	Bapatla Polytechnic College	2001
7.	Bapatla Women's Engineering College	2009

Bapatla Engineering College was established in the year 1981 with a vision to impart quality technical education. The College is an UGC approved Autonomous Institution and affiliated to Acharya Nagarjuna University, aiming to provide engineering education to the local and rural communities as there was no institution offering engineering education in the Guntur district at that time to improve the living standards of the individuals and the society. BEC is the first private managed engineering college to receive World Bank assistance of Rs. 11 crores under Technical Education Quality Improvement Programme (TEQIP).

Bapatla Engineering College (BEC) had formerly offered three programmes in engineering at undergraduate level with intake of 180 students. It grew in phases with new programs and thus enhanced admissions over the period of about 38 years. BEC, at present offers eight undergraduate Programmes leading to Bachelor of Technology; five Masters Programmes leading to Master of Technology; five Masters Programmes leading to Master of Science, and Master of Computer Applications Programme. In addition, BEC also offers four Diploma programs in engineering. BEC was accredited by the National Board of Accreditation (NBA) and the National Assessment and Accreditation Council (NAAC) of Government of India. BEC was accorded AUTONOMOUS status by the University Grants Commission (UGC) of the Government of India during the academic year 2010-2011.

The Bapatla Engineering College Offers Following Courses with an Intake of Seats:

Programme	Intake	Year of starting
B.TECH. Programmes:		
Civil Engineering	180	1981
Electronics & Communication Engineering	180	1981
Mechanical Engineering	180	1981
Computer Science and Engineering	180	1994
Electronics & Instrumentation Engineering	60	1994
Electrical & Electronics Engineering	120	1995
Chemical Engineering	60	1997
Information Technology	120	1999



M.Tech. Programmes:		
E.C.E. (Communication Engg. & Signal Processing)	18	2004
Mechanical (CAD/CAM)	18	2004
Computer Science and Engineering	18	2006
Civil (Structural Engineering)	18	2010
E.E.E. (Power Systems)	18	2010
M.Sc. Programmes:		
M.Sc. (Maths.)	40	1989
M.Sc. (Computers)	40	1997
M.Sc. (Organic Chemistry)	30	1997
M.Sc. (Physics)	30	2001
M.Sc. (Analytical Chemistry)	30	2011
Other P.G. Programmes:		
Master of Computer Applications (MCA)	60	1997
DIPLOMA Programmes:		
Electronics & Communication Engineering	60	2009
Mechanical Engineering	60	2009
Civil Engineering	60	2009
Electrical & Electronics Engineering	60	2009



Bapatla Polytechnic College



Bapatla College of Arts & Sciences



Bapatla Public School



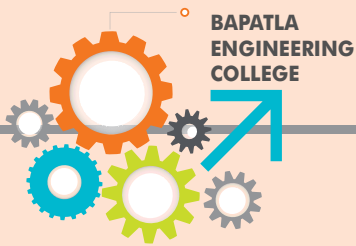
Administrative Block



Bapatla College of Pharmacy



Bapatla Womens Eng. College



ACCREDITATION:

- BEC is one of the premier Engineering Colleges in Andhra Pradesh, which got accredited thrice by the National Board of Accreditation (NBA) of the Government of India.
- BEC was accredited by NAAC in the year 2015.
- The Institution of Engineers (India) accredited 8 B.Tech. Programs offered by the college based on the recommendations of the 6-member sub-committee of senior Professors from IISc, Bangalore constituted by it.
- The college has been accredited by TCS for academic collaboration and placements.
- Identified as the Network Institute for the Technical Education Quality Improvement Programme (TEQIP) Phase I of the Ministry of Human Resources Development and the World Bank.
- BEC has signed MOU with New Mexico State University (NM U.S.A) in its efforts to mutual transfer both students and faculty for exchange of the high order knowledge
- The college has signed MOU with industries like Caddy Code Solutions Pvt. Ltd, ACER Engineers Pvt. Ltd.

Why to join BEC?

- Very peaceful and disciplined Learning Environment
- Best infrastructural facilities and competent human resources
- "One of the Largest Institutions in the State of Andhra Pradesh".
- Policy driven Institute
- Industrial Experience through Internship and Projects
- Industry assisted Incubation Centers
- Futuristic Research and Practice Centers with Siemens Excellence Lab; Bosch Lab; Robotics Lab with KUKA Robot, CAM Lab and Production center with CNC machines.
- One third faculty with Ph. D. degree.
- Most up to date Curriculum benchmarked with foreign Universities
- Final Semester Projects in Industries and foreign Universities
- Well planned and teaching-Learning and Assessment and Evaluation Processes
- Student Preparedness for Life-Long Learning
- Life skills honing cultural co-curricular, extra-curricular and sports activities
- The college is widely acclaimed for its meticulous planning, resource scheduling and Institutional management.
- Emphasis on Student Innovation, Incubation & Entrepreneurship linked
- Students mentoring for Startups by Industry Mentors



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

- Established in the year 1981 Accredited by NBA.
- Highly qualified faculty and many of them are members of professional bodies like ISTE, IEEE, IETE and CSI.
- All the students are the members of IETE student forum.
- State of the art laboratories in Electronics, Communication, Microwave, VLSI, DSP & IMAGE Processing, Microprocessor and Microcontroller.
- Recognized research Center

S.NO.	Dept. E.C.E.
Laboratory Name	
1	Advanced Communications Lab
2	DSP and Microprocessor Lab
3	Electronic Devices and Circuits Lab
4	Digital Electronics Lab
5	IOT & SDR Lab
6	Micro waves Lab
7	Optical Communication Lab
8	Digital Communication Lab
9	Computer centre



DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

- Established in the year 1999 and accredited by NBA
- Equipped with the state-of-the-art computing facilities
- Experienced and committed faculty members known for academic excellence proved by their performances
- Incubation and Development Center with CaddyCode Assistance
- Practical sessions oriented to Career Development
- Latest curriculum benchmarked with Georgia-southern-university and NITs
- Emphasis on Futuristic Technologies such as cyber security, Data Science, Artificial Intelligence, etc.

S.NO.	Dept. E.I.E.
Laboratory Name	
1	Bio Medical Instrumentation Lab
2	Process Control Lab
3	Advanced Instrumentation Lab
4	Transducers Lab
5	Measurements Lab
6	Electronic Devices and DE Lab
7	Virtual Instrumentation Lab
8	DSP/Embedded Systems Lab
9	Computer Center
10	Robotics & Automation Lab



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



- Established in 1994 and accredited by NBA thrice
- Experienced staff members with many Ph. D. degree holders
- Cutting-edge curriculum benchmarked with foreign Universities
- Strives hard to impart quality education both theory and practice
- Keep up the students on competitive edge of the present-day technologies such as Machine Learning, Cyber Security, Data Analytics and many others.
- Placement oriented Practical training



DEPARTMENT OF INFORMATION TECHNOLOGY

- Established in the year 1999 and accredited by NBA
- Equipped with the state-of-the-art computing facilities
- Experienced and committed faculty members known for academic excellence proved by their performances
- Incubation and Development Center with CaddyCode Assistance
- Practical sessions oriented to Career Development
- Latest curriculum benchmarked with Georgia-southern-university and NITs

CSE & IT LABORATORIES

1	Data Systems and Algorithms Lab	<ul style="list-style-type: none"> • Emphasis on Futuristic Technologies such as cyber security, Data Science, Artificial Intelligence, etc. • Software support with Python, Oracle 10g Std., Informatica Power Centre, SPSS Clementine Server, Microsoft • Equipped with the state-of-the-art computing facilities with Six blade servers (6 Xeon Processor based Servers and 2 Pentium Processor Based Servers) • 300+ Nodes (Latest Pentium Core2Duo with TFT LCD Displays) organized in Client/Server architecture • Open Value Subscription, etc.
2	Cloud Programming Lab	
3	Cyber security Lab	
4	Data Analytics Lab	
5	Micro Processors Lab	
6	Web Technology Lab	
7	Data Engineering Lab	
8	C,C++&JAVA Programming Lab	
9	Mobile Application Development Lab	

DEPARTMENT OF CIVIL ENGINEERING

- Established in the year 1981 and accredited by NBA. thrice
- Guided and led about 1850 persons to mould their careers.
- Well qualified and dedicated faculty, skilled supporting staff, well established laboratories, excellent infra structure and disciplined & hardworking students.
- Institution of Engineers (India) recognition for high quality.
- Recognized Research Centre
- Training in latest technologies such as BIM and Project Management

S.NO.	Dept. CIVIL ENGG.
Laboratory Name	
1	Material Testing Lab
2	F.M. & Hydraulics Lab
3	Geotechnical Engineering Lab
4	Transportations Engineering Lab
5	Environmental Engineering Lab
6	Surveying Lab
7	Engineering Geology Lab
8	CAD/CAM Lab
9	Computer centre

DEPARTMENT OF MECHANICAL ENGINEERING

- Established in the year 1981 and accredited by NBA thrice.
- Dedicated, highly qualified, and experienced faculty members
- Avant-garde Curriculum benchmarked with National institute of Singapore and IIT, Chennai.
- Research orientation with facilities for Incubation
- Training in modern technologies such as Robotics, Computer aided design and manufacturing with auto-Cad, Catia, and simulation Softwares, etc.
- Industry based projects and internships

S.NO.	Dept. MECH. ENGG.
Laboratory name	
1	Heat Transfer Lab
2	Fuels & Oils Lab
3	I.C. Engines Lab
4	Machine Shop
5	CAD/CAM Lab
6	Automation Lab
7	Design & Metrology Lab
8	Computer centre
9	Work shop



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

- Established in 1995 accredited by NBA thrice
- Vision of producing globally competent technocrats who can address challenges of the millennium to achieve sustainable socio-economic development.
- Well qualified faculty and many graduated from IITs, NITs.
- Remarkable academic history of achieving University ranks and GATE Ranks
- Modern laboratories to provide market-oriented training
- Internships with companies like BHEL, ECIL, Power Plants, etc.
- Encouragement for creativity and innovation through Technical workshops, Contests, and Fests



S.NO.	Dept. E.E.E.
Laboratory Name	
1	Electro Mechanics Lab - I & II
2	Electrical Measurement Lab
3	Power Electronics Lab
4	Power Systems Lab
5	Control Systems Lab
6	Computer Center
7	M . P & Micro Controllers Lab
8	Electronic Devices and Circuits Lab
9	Linear IC Lab



DEPARTMENT OF CHEMICAL ENGINEERING

- Established in the year 1997 and accredited by NBA
- Excellent laboratory and Library facilities
- Well established computer center.
- Very good GATE Ranks and University Ranks
- 100% Placements
- Thrust on Career Development and Entrepreneurship
- Leadership and communication practice through student workshops and Technical Fests

S.NO.	Dept. CHEMICAL ENGG.
Laboratory Name	
1	Chemical Reaction Lab
2	Heat Transfer Lab
3	Process Control Lab
4	Mass Transfer Lab
5	Mechanical Unit Lab
6	Bio Chemical Engineering Lab
7	Chemical Process Design Lab
8	Environmental Engineering Lab
9	9 Computer Application & CAD Lab



INFRASTRUCTURE AND RESOURCES:

- A built-up space of 60,000 sq. m. for academics and administration.
- Hostel space of 12,000 sq. m. accommodating 1000 female students.
- Laboratory equipment worth about Rs. 25 crores to cater to the needs of the academics.
- An amount of Rs.11.8 crores was granted to the College under TEQIP Programme with which Laboratories of six Departments (Civil, Mechanical, EEE, ECE, EIE and CSE) were modernized.
- All the class rooms are equipped with LCD Projectors/OHPs and internet facility.
- A CISCO Digital Media System (DMS) was procured with an amount of Rs. 1.5 crores and installed in a studio to transmit a lecture by a faculty member to all these class rooms simultaneously.
- DMS is also useful to develop and impart online courses.
- 200 Mbps leased-line and 40 Mbps broadband Internet facility.
- Around 1500 systems are facilitated in all the departments for academics and research activities.
- The college is enriched with Centre for Innovation and Entrepreneurship (CIE) , Industry Institute Interaction Cell (IIIC), Center for Continuous Education (CCE) and Digital Library facility that caters to the needs of modern student.
- Digital Multimedia Communication Skills Lab to learn and master the English LSRW skills.
- Special employability training classes for the students to get campus placements.
- 24x7 free medical and ambulance facility is provided to the hostel students and first aid facility in the campus.
- Free Mineral water facility is provided for the entire campus.
- Five Air-Conditioned conference halls exist to hold workshops, symposia, seminars and guest lectures etc.
- The college provides the students to access a range of internships and projects around India.
- Spacious Library of 2200 sq. m. area, with a rich collection of more than 30,000 titles, 75,000 volumes and subscription to about 650 journals (both online and print) including IEEE, ASMR, ASCE, Science direct Journals.
- Large Playground with adequate facilities for hockey, football, Cricket, Tennis, Basket Ball, Kho-Kho, Kabadi, etc.
- Indoor Games facility such as Badminton, TT, Chess, Carroms, and GYM.
- Subsidized transport facility to students residing in the town with a fleet of eleven buses.
- Uninterrupted power supply (providing backup with (380 KVA), and modern generator sets (250KVA & 82.5KVA) and solar energy (400kWp) is the special feature of the college.
- Full-fledged Bank (SBI, Bapatla Engineering College campus branch) and post office located in the campus.
- Canteen facility in a hygiene condition is provided at the subsidized rates to both students and faculty.



FACULTY:

- 270 well qualified faculty members with rich academic experience.
- 24 Professors.
- 21 Associate professors.
- 225 Assistant professors.
- 54 with Doctorate degrees, some of them hail from IITs and NITs.
- 15years is the average experience of faculty members.

RESEARCH DEVELOPMENT :

BEC bestows special Emphasis on research activity and duly encourages faculty to carry the same by providing facilities with state-of-the-art centers for research.

Bosch Rexroth Center of Competence in Automation Technologies.

- The center is first of its kind in Andhra Pradesh and is the hallmark in automation technologies worth Rs. 6 crores with Pneumatics, Hydraulics, PLC, Sensors, Modular Mechatronics System (MMS), CNC controller, Motion Logic Drives and Automation Studio modules.

Siemens Center of Excellence:

- Siemens Centre of Excellence for CAD/CAM /CIM is established at BEC with an aim to train engineering students on world class Siemens software for design, modeling, analysis, manufacturing and project management software.
- The students get trained by Siemens and work on NX 8, Solid Edge, FEMAP with NASTRAN, CAM Express, Technomatics - RobCAD, Team Centre and Proge CAD.

Robotic Technology Centre

- Five faculty members have under gone training at KUKA Robot Group, Pune
- The Centre has a KUKA ROBOT (KR5) which is housed in Robotic Technology Centre in the Research Park worth Rs.30 Lakhs.
- The first private engineering college to establish Robotics Technology Center.
- Sponsored research projects from Government of India worth twenty million rupees
- Internal Projects with an estimation of Rupees one crore



Research Publications:

- 500+ articles in peer reviewed Journals
- 500+Conference proceedings in National and international conferences and seminars

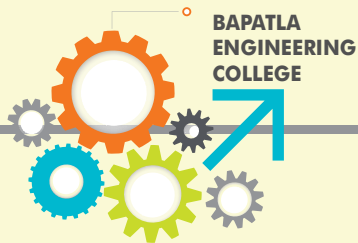
Students:

- 4000+ undergraduate students on roll,
- 500+ post graduate students, and
- Nearly 50+ faculty members working for their Ph.D.

Student Activities:

- National Cadet Corps
- National Service Scheme
- Society for Awakening Community (SAC) for community engagement
- Center for Creative Arts (CCA) for extra-curricular and hobby activities
- Awaaz, an interacting club for students for developing oratory, interpersonal and communication skills
- BECTAGON is the annual technical fest of college. It is an event where technology & creativity mixes. The main focus of the fest is to inspire youths through innovation.
- Training is provided to the students to participate in inter collegiate sports competitions
- Co-curricular activities through department associations and professional societies such as Institution of Engineers (India), IETE, ISTE, IEEE, CSI etc.
- College is having professional society chapters and good number of students and faculty joined as member of IETE, ISTE, IEL, CSI and ACM etc
- College and students are member of APITA, APSSDC and CII and ICT Academy etc.
- Good number of students are qualifying for GATE, GRE exams every year
- The academic strength of the students is quite evident from the % of pass of above 80% in all branches
- Our alumni are spread across every country on the globe in deferent organizations like Google, Microsoft, CISCO, GE, IBM, TCS, Wipro, Infosys, CTS, L&T, Octoze and HP, DRDO, etc. to its credit





Placements/ Higher Studies:

- The Training & Placement Cell is committed to provide all possible assistance to the graduate and post-graduate students to secure employment in multi-national companies and other reputed organizations and industries.
- Some of the students are going for higher studies at premier institution/universities in India like IITs, IIMs, NITs and foreign universities located at USA, UK, Germany, Sweden, Spain, Australia etc.
- An average of 350+ students are placed in the following reputed companies through Campus Placements in every year

Logos of few of the companies visited for placements are illustrated below.



Laurels Brought by the Students

- In the year 1997 the college places on record the India no.1 rank ' in the GATE by a civil engineering student. A good number of students have got good GATE score ranks in every year
- A good number of both engineering and diploma students are in possession of prestigious PRATHIBHA awards
- The students of institution are successful to win the certificates at the competitions conducted by Vartusa, TCS, WIPRO, CONVERGYS and Infosys etc.
- A good number of students have secured many times the first and second positions in the extra and co-curricular activities conducted by IITs, NITs, University and affiliated colleges
- The students of the institution are equally efficient in securing the prizes at the sports meet conducted at National, State, University and district levels

Alumni:

- Sri. Vijay Ram Parupudi, General Manager, Wipro Technologies
- Sri. Pedababu Kandru, Vice President, Tech. Manager, Bank of America
- Sri K. Purushotam, Scientist-E, DRDO
- Sri. IVA Reddy Kamjula, R&D Associate, Hindustan Unilever Limited
- Sri. HVC Chary Guntupalli, Scientist-D, Ministry Of Environment, Forest & Climate Change
- Sri. Vijay Kumar Nandigam, Lead Enginner, Mahindra and Mahindra
- Sri. Suresh Soudherpally, Sr Software Eng. Cisco Systems, Inc.
- Sri. Amarendra Karyampudi, IT Analyst, Tata Consultancy Services Ltd
- Sri. Radhakrishna Kommanaboina, Data Specialist, IBM
- Sri. Suresh Soudherpally, Sr. Software Engineer, Google
- Sri. Raju Nalluri, Sr. Reliability Engineer, Robert Bosch
- Sri. Prasad Babu Koppula, Asst. Manager, L&T
- Sri. Pavan Paruchuri, Software Engineer, Bank of America
- Sri. Bhanu Prasad Kuchibhotla, Architect, American Express
- Sri. Pavan Krishna Bhogaraju, Senior Lead Engineer, Qualcomm India Private Limited
- Sri. Nagaraju Urlagunta, System Validation Engineer, Intel
- Sri. MSBA Khan, Chief Engineer, ONGC
- Sri. Lakshmi Madhavi Dodla, Manager, Accenture
- Sri. Ashok Paraselli, Design Engineer, HCL Technologies Ltd
- Sri. Jaheeruddin Shaik, Deputy General Manager, IOFS Officer, Govt Of India





Bapatla Engineering College (Autonomous)

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Email: bec_principal@yahoo.com
Web: www.becbapatla.ac.in

EAMCET CODE: BECB