

Peer Team Report

on

Institutional Accreditation

of

**Geethanjali College of Engineering and Technology,
Sy.No. 33 & 34, Cheeryal (V), Keesara (M),
Medchal (D)-501 301, Telangana**

Dates of Visit: MAY 4-6, 2017

SUBMITTED TO



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P.O. Box No. 1075, Nagarbhavi, Bangalore – 560 072

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Prof. K. Chidananda Gawda
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Prof Jagathy Raj V. P.
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Prof Jagathy Raj V. P.
Member Coordinator

Dr. Vinayak R. Shet
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Member

Chidananda Gawda

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Sy.No. 33 & 34, Cheeryal (V), Keesara (M),
Medchal (D)-501 301, Telangana

(Dates of Visit: 4-6, MAY 2017)

Section I : GENERAL INFORMATION	
1.1 Name & Address of the College :	Geethanjali College of Engineering and Technology, Sy.No. 33 & 34, Cheeryal (V), Keesara (M), Medchal (D)-501 301, Telangana
1.2 Year of Establishment :	2005
1.3 Current Academic Activities of the College:	-----
• Faculties / Schools :	Faculties – 02, Engineering and Management
• Departments / Centers :	Departments – 7
• Programmes / Courses offered:	UG Programs – 05: CSE, ECE, EEE, ME, and CE; PG Programs – 05: CSE,ES, VLSI-SD, Power Electronics and MBA
• Permanent Faculty Members :	Permanent – 288
• Permanent Support Staff :	Non-teaching - 42, Technical – 34
• Students :	UG Students – 3005; PG Students - 157

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<p>1.4 Three Major Features In the Institutional Context :</p>	<ul style="list-style-type: none"> • Autonomous status of the College help to develop and modify the curriculum as per the Industry requirements • Mentor - Mentee system is effectively implemented by the college. • Adequate infrastructure facilities with majority of well qualified staff and quality conscious management.
<p>1.5 Dates of the visit of the Peer Team :</p>	<p>4-6, MAY 2017 (Schedule of the visit is attached).</p>
<p>1.6 Composition of the Peer Team which Undertook the On-site Visit :</p>	
<p>Chairperson :</p>	<p>Prof. K. Chidananda Gowda (Former Vice Chancellor, Kuvempu University) Res: Udayaravi, 3004, 12th Cross, 5th Main, V.V. Puram, Mysore-570002, Karnataka .</p>
<p>Member Coordinator:</p>	<p>Prof. (Dr.) Jagathy Raj V. P. Professor, School of Management Studies, Cochin University of Science and Technology, Kochi-682022, Kerala</p>
<p>Member :</p>	<p>Dr. Vinayak N. Shet (Member) Principal Goa Government Engineering College, Farmagudi, Ponda, Goa 403401, Goa</p>
<p>NAAC Coordinating Officer:</p>	<p>Dr. M. S. Shyamasundar Advisor, NAAC, Bangalore - 560 072.</p>

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Section II : CRITERION WISE ANALYSIS	
2.1 Curricular Aspects	
2.1.1 Curricular Planning and Implementation	<ul style="list-style-type: none"> The institution is affiliated to Jawaharlal Nehru Technological University-Hyderabad and is academically autonomous since 2016. Curriculum designed and developed in consultation with all the stakeholders BoS and College Academic Council (CAC) peruses the curriculum, guidelines and academic regulations prescribed by the monitoring University, JNTUH . Availability of additional non credit courses and foreign language courses
2.1.2 Academic Flexibility	<ul style="list-style-type: none"> Semester system exists with choice based credit system. Academic flexibility is maintained through a wide range of courses offered across the departments Interdisciplinary approach needs to be further strengthened
2.1.3 Curriculum Enrichment	<ul style="list-style-type: none"> College conducts a good number of enrichment programs and employability skills courses for the benefit of students. Curriculum enrichment is done through co-curricular activities such as add-on courses, guest lectures, industry visits, etc. Industry Institute Interaction cell needs further strengthening and industry specific and tailor made courses are to be introduced.
2.1.4 Feedback System	<ul style="list-style-type: none"> Feedback system from stakeholders has been initiated and used for curriculum improvements. Feedback about curriculum is utilized by the college to frame enrichment programs for the benefit of students. The institution needs to draw feedback from International Faculty.

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2.2 Teaching, Learning and Evaluation	
2.2.1 Student Enrollment and Profile	<ul style="list-style-type: none"> Information about admission is notified through notice board, media, website and advertisements. Admissions executed as per the norms of Telangana Government and the JNTUH University During admission procedure, reservation policies of the State Govt. and affiliating University are followed.
2.2.2 Catering to Student Diversity	<ul style="list-style-type: none"> Students Performance Monitoring Committee (SPMC) is in place to suggest ways to develop the academic performance of various categories of students, wherever needed. College conducts Remedial and bridge programs to reduce the knowledge gap of slow learners and academically weak students. Efficient Mentor-mentee system is in place.
2.2.3 Teaching-Learning Process	<ul style="list-style-type: none"> Teaching-learning process is conducted according to College Academic Plan Conventional class room teaching is to be strengthened by ICT enabled teaching in all departments. The faculty members plan and prepare the lesson plans and teaching schedules in consultation with the course coordinator and in accordance with the format provided by the IQAC.
2.2.4 Teacher Quality	<ul style="list-style-type: none"> Out of total faculty strength of 288, 40 faculty members have Ph.D. Qualifications. Management encourages faculty members to register for Ph.D. programs and publish papers in International journals, conferences and seminars and also to attend FDP/conferences/workshops/trainings programmes. There is a formal system of evaluation of teachers' performance by students and the feedback is used for improvement of teaching quality. Some teachers received awards / recognition for excellence in Teaching and Research publications. Diversity in the recruitments of faculty to be encouraged.

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<p>2.2.5 Evaluation Process and Reforms</p>	<ul style="list-style-type: none"> • Continuous evaluation of students' performance is in place. • The College adheres to the academic calendar for the conduct of examinations. • The Institution has to setup an effective mechanism for redressal of grievances relating to examinations.
<p>2.2.6 Student Performance and Learning Outcome</p>	<ul style="list-style-type: none"> • The Institution has a mechanism in place to analyze shortcomings in the achievement of Learning outcomes and suggest improvement measures. • The Institution encourages all its departments to clearly state learning outcomes of its programmes • New technologies have to be deployed like ICT, smart class rooms by the Institution to enrich student learning and also enhanced through industrial visits, study tours, and innovative projects etc. • Learning outcomes are communicated to the students and parents. The College makes use of performance in the continuous evaluation to frame remedial courses for academically weak students and slow learners.

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2.3 Research, Consultancy and Extension	
2.3.1 Promotion of Research	<ul style="list-style-type: none"> • Research committee exists to monitor the research activities • No department of the institution is recognized by the affiliating University as a research center. Research centers are to be established in all the Departments. However, the college has been recognized by DSIR as SIRO(Scientific and Industrial Research Organization). • The college encourages faculty members for research activities by permitting them to register for Ph. D. programs and sponsoring to present papers within India in international and National seminars and conferences. • Meaningful research associations with national and international agencies may be established including research publications.
2.3.2 Resource Mobilization and Research	<ul style="list-style-type: none"> • College has already completed one R&D project worth 34.58 lakhs and there are two ongoing R&D projects (21.5 lakhs & 2 lakhs) from DST and UGC respectively. • College encourages faculty to take up external research projects • Efforts are necessary to generate more funds for research activity through granting agencies. • Budget allocation for Research needs to be enhanced and communicated to the departments • Research committee and researchers have to meet frequently to discuss the leading edge topics and decide the thrust areas.
2.3.3 Research Facilities	<ul style="list-style-type: none"> • Research facilities in the college need augmentation for Ph. D. works and taking up high-end research projects. • Adequate library facilities including Digital library with various E-Databases are available in the college to promote research. • Institute shall develop research competency and state-of-art facilities in all the departments to carry out the research activities.

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<p>2.3.4 Research Publications and Awards</p>	<ul style="list-style-type: none"> • A few faculty members have received recognitions for their presentations in some conferences, seminars and workshops. • Incentives are given to faculty for publication of papers in reputed journals. • Research publications by faculty jointly for interdepartmental/ interdisciplinary research projects are to be undertaken. • Travel grants and Registration Fees to attend the International conferences abroad are to be provided.
<p>2.3.5 Consultancy</p>	<ul style="list-style-type: none"> • Marginal consultancy activity exists in the college. However, consultancy activities and resource mobilization through consultancy be strengthened. • The Institution may constitute an industry -Institute Interaction Committee to collaborate with industries and outside organizations and to take up consultancy works • The college may take up industry oriented projects by contacting local and nearby industries. • Needs to explore the possibility of the students to undergo in-plant training/take-up project works.
<p>2.3.6 Extension Activities and Institutional Social Responsibility</p>	<ul style="list-style-type: none"> • Participation in community activity through NSS and YRC are in place. • College conducted few outreach programmes committed with social responsibilities like Blood donation and health awareness camps in addition to tree plantation and other activities. • Participation of all the students in community related activities be made mandatory to make them socially responsible. • The institute may establish tie up with industries, community and NGO for social services and extension activities.
<p>2.3.7 Collaborations</p>	<ul style="list-style-type: none"> • College has established some MOUs with few industries. • Some eminent persons from Industry and reputed intuitions have been invited for delivering lectures and participating in BoS meeting. • Collaborative research activities with research organizations and institutions of higher learning, such as IITs and NITs may be aggressively pursued. • Linkages with international bodies need to be initiated.

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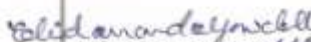
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2.4 Infrastructure and Learning Resources	
2.4.1 Physical Facilities	<ul style="list-style-type: none"> • Adequate infrastructure facilities as mandated by AICTE and the University are made available for academic, co-curricular and extra-curricular activities. • For boys and girls, sufficient hostel facilities need to be provided. • Well equipped computer laboratories with moderate ICT facilities are available in all the Departments. • Wi-Fi facility in the Campus needs agumentation. • Good Canteen facility is available. • Sports facilitates for indoor and outdoor games with coaches are available. Multi Gym facility is not available.
2.4.2 Library as a Learning Resource	<ul style="list-style-type: none"> • College has a well-equipped and fully automated library, with OPAC, ERMP, INFLIBNET, DELNET and inter library loan service facilities are made available • A Library Advisory Committee exists to recommend purchase of new books / editions, subscriptions for journals, magazine, etc. as required recommended by HoD's. • Library has sufficient number of titles and volumes as per academic requirements. • Separate digital library center is available with good number of e-journals and educational CDs for the benefits of Students and Staff.
2.4.3 IT Infrastructure	<ul style="list-style-type: none"> • The college has 64 Mbps internet facility; and Software resources are sufficient for under graduate and post graduate projects; however, needs improvements for Ph. D. oriented research activities. • The College subscribes to learning material like NPTEL course content with content management software for NPTEL video lectures and e-books. • College has to establish integrated campus wide information system for efficient and effective academic and administrative functions. • ICT facilities need strengthening by establishing smart class rooms.
2.4.4 Maintenance of Campus Facilities	<ul style="list-style-type: none"> • The Maintenance section of the college is responsible for maintenance of the buildings, gardens, equipment, and other facilities • Adequate maintenance of ICT facilities is available in the campus through in-house maintenance team. • Green campus initiatives are in place

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2.5 Student Support and Progression	
<p>2.5.1 Student Mentoring and Support</p>	<ul style="list-style-type: none"> • An orientation program for three days is conducted to all First year students to acquaint them with various curricular and co-curricular activities. • Excellent Mentor-Mentee system exists in college. Mentors meet their allotted mentees to identify their strengths and weakness and give suggestions to overcome the weaknesses. • A scheme of scholarships is available for students based on their performance in semester examinations. • Group insurance facility to be made available to students. • Grievance Redressal Cell, Counseling and Career Guidance Cell, Training & Placement Unit, anti-ragging committee, sexual harassment committee, Women empowerment Committee are in place. • Centre for Advancement of Career and Human Excellence exists for training and placements. It conducts various skill development programmes to increase the employability of the students. • Various clubs are established for the overall development of the students. • College encourages social and environment activities of the students through NSS. • The college has an active Alumni Association
<p>2.5.2 Students Progression</p>	<ul style="list-style-type: none"> • Progress of students in different activities and Programs are properly monitored. • Academic support to slow learners is provided by the college with remedial classes. • Consistent good pass percentage with low dropout rate is visible. • Career guidance cell and placements committees are formed and they are active.
<p>2.5.3 Student Participation And Activities</p>	<ul style="list-style-type: none"> • The institution has a range of games, extracurricular activities which contribute to overall development of the students. • Students are encouraged to participate in inter-collegiate sports and cultural competitions; some students have secured medals in Inter- Collegiate competitions. • Opportunities are provided to students to participate in community outreach activities such as NSS, YRC etc • College Cultural Association exists to organize various literary, fine arts and cultural programs and publish College magazine and college news letter are published

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2.6 Governance and Leadership	
<p>2.6.1 Institutional Vision And Leadership</p>	<ul style="list-style-type: none"> • Vision, Mission and Quality Policy statements of the college are well defined and widely disseminated. • The college promotes a culture of participative style of management with cordial relationship maintained with all stakeholders • Various committees are constituted for effective management and administration of the various college activities. • Interaction with the stakeholders takes place in the form of regular staff meetings, College Academic Committee meetings, department meetings, parent-teacher meetings, alumni meets, meetings with recruiters / industry personnel, meeting with professional Bodies • Effective administration is visible under the guidance of the vigilant managing committee.
<p>2.6.2 Strategy Development and Deployment</p>	<ul style="list-style-type: none"> • The College has a perspective plan for the overall development of the college with well defined organization structure. • College has an effective feedback system involving all stakeholders which is used for strategy development • MOUs with good institutes and industries needs to be enhanced. • A full- fledged integrated information system needs to be implemented for effective and administrative management. • Networking with stake holders to evolve and review quality oriented educational policies and practices exists
<p>2.6.3 Faculty Empowerment Strategies</p>	<ul style="list-style-type: none"> • Several FDPs are arranged by the management for empowerment of the faculty. • College gives duty leave and financial support to faculty to attend FDPs, Conference, workshops etc. • Performance Appraisal System helps to evaluate and ensure the quality of the teaching. • College takes feedback from HoDs and students


	<p>about the performance of teachers. The feedback is used as an input parameter for improving the quality of teaching and give incentives to good performers</p> <ul style="list-style-type: none"> • College establishes various welfare schemes to faculties such as PF, medical leave, maternity leave, financial support etc. • College encourages faculty to acquire Ph.D and give incentives to those acquiring Ph.Ds
<p>2.6.4 Financial Management and Resource Mobilization</p>	<ul style="list-style-type: none"> • Financial requirements are met through fee collection and Society's contribution. • Mobilization of financial resources through consultancy activities and alumni need to be strengthened. • Proper audit mechanism is in place. • Budget is prepared after getting the requirements from all the Head of the departments. • Sufficient funds are allotted for organizing various activities.
<p>2.6.5 Internal Quality Assurance System</p>	<ul style="list-style-type: none"> • IQAC cell has been established, and it conducts various studies to improve quality of teachers and students. • The Academic audit committee conducts academic audit of the departments through internal member annually • College Academic Committee is the central body which continuously reviews the teaching - learning process. • Decisions of the IQAC are approved by the management for proper implementation. • The College uses the suggestions given by the evaluation process of accrediting agencies for improving teaching-learning methodology.

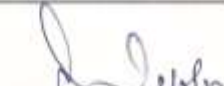
2.7 Innovations and Best Practices	
<p>2.7.1 Environment Consciousness</p>	<ul style="list-style-type: none"> • College established an Eco club and environmental club to make students environmentally conscious. • Energy audit system is in place to reduce over consumption. • Use of renewal energy using solar power is initiated. • Green audit may be formalized to include all areas of the Institution.
<p>2.7.2 Innovations</p>	<ul style="list-style-type: none"> • The Institute is organizing courses on human excellent of the students through Vivekananda Centre, Bhramakumarys' for inculcating values in life for holistic developments of the students. • Students have undertaken many innovative projects like spraying pesticides for agricultural use , many IoT related projects etc. • Entrepreneurship Development Centre is established. • Industry collaborative projects are undertaken.
<p>2.7.3 Best Practices</p>	<ul style="list-style-type: none"> • Mentor-Mentee system is provided for the benefits of all the students • Centre for Academic and Career Guidance for overall development of the students is in place. • Effort are made for inculcating Social Responsibilities and Skill Development • Efforts are made to improve the quality of junior staffs members by seniors in the department. • Input from various stakeholders is used for curriculum development • Faculty members are encouraged to pursue their research activities by providing one day weekly off.

Section III : OVERALL ANALYSIS	
<p>3.1 Institutional Strengths</p>	<ul style="list-style-type: none"> • Harmonious relationship exists between college and all stake holders. • Adequate infrastructure facilities available for basic academic activities. • College management is participatory, dynamic and supportive. • Availability of various schemes and programs such as ESI benefits, interest free loan, maternity leave for empowerment of faculty and staff. • Qualified and experienced Faculty members are committed to the development of the college. • Value added courses are relevant and useful for the overall transformation of the students. • Mentor – mentee system is very effective. • Alumni interaction is reasonably good.
<p>3.2 Institutional Weaknesses</p>	<ul style="list-style-type: none"> • Inadequate Industry-Institute interaction • Initiative to obtain funding and other support through granting agency and Alumni are low. • Less number of international programmes organized • Research works and consultancy activities are limited. • R & D facilities need to be augmented. • Industrial trainings/internship programs need to be enhanced. • Non availability of sophisticated research facilities.
<p>3.3 Institutional Opportunities</p>	<ul style="list-style-type: none"> • To start more number of job oriented courses for students and tailor-made courses for nearby industries. • To get research center recognition to all departments to enhance research activities. • To establish highly equipped laboratories in collaboration with industry. • Opportunity for more usage of ICT • Establishing tie-ups with national and international higher education and research institutions. • Academic Autonomy enables the college to update curriculum to higher standards. • Possibility of launching skill intensive programs under NSQF of AICTE. • Preparing students for competitive exams. • To attract industries for collaborations for MOUs.

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<p>3.4 Institutional Challenges</p>	<ul style="list-style-type: none"> • To attract better quality students as well as experienced and qualified staff. • To meet the changing expectations of stake holders. • To provide placement to every registered student and high order placements to better quality students. • Inspiring teachers to take up research activities in emerging Engineering Fields • Providing more facilities for innovative research and its commercial use • Interdisciplinary activities to bring creativity and innovation among teachers. • To compete with foreign universities which intend to start their campuses in the country • To promote and motivate R & D activities. • To create better research ambience and consultancy culture and innovation.
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Section IV : RECOMMENDATIONS FOR QUALITY ENHANCEMENT OF THE COLLEGE

- Establish department wise research laboratories and facilities to foster R&D activities.
- Academic audit and peer team evaluation by external experts may be undertaken periodically.
- 3D printers to be procured to make innovative products.
- Job oriented courses like Artificial intelligence, Big Data Analytics, Cloud Computing, Machine learning, Cyber security, Cyber forensics, Robotics process automation, Mobile application development etc to be started.
- To establish more tie-ups and collaboration with national and international research institutions and industries.
- R & D facilities and quality publications with good impact factor need to be enhanced and also leading into filing of patents.
- To provide more internship training in industry be implemented for the betterment of students as well as to further increase the employability of the students.
- Allocate more funds for the Research and Development activities.
- Campus wide integrated information system may be established for effective academic and administrative management.
- Hostel facilities to students, quarters for staffs in the College need to be established.
- Moral education, Training in Yoga and Meditation, Training for Martial Arts be organized for the benefits all the students.
- The Institute may go for MoUs with premier academic Institutions for innovative

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teaching learning methods and research.

- IQAC should be strengthened for all-round development of the Institution with quality consciousness.
- Services of a professional counselor made available for the benefits of the students and staffs
- Further strengthened entrepreneurship development cell to guide and assist the outgoing students to become entrepreneurs.

I agree with the observations of the Peer Team as mentioned in this report.



S. Udayakumar
Signature and seal of the ...

Head of the Institution

Dr. S. Udayakumar, Principal

PRINCIPAL

**Geethanjali College of Engg. and Tech.
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Signatures of the Peer Team Members:

Name	Designation	Signature with Date
Prof. K. Chidananda Gowda	Chairperson	<i>K. Chidananda Gowda</i> 6/5/17
Prof. (Dr.) Jagathy Raj V. P	Member Coordinator	<i>J. Jagathy Raj V. P.</i> 6/5/17
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Dr. M. S. Shyamasundar Advisor, NAAC, Bangalore	NAAC Coordinator	

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Date : 6 MAY 2017.

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