PEER TEAM REPORT

ON

Institutional Accreditation

Of

Gokaraju Rangaraju Institute of Engineering & Technology Bachupally, Kukatpally Hyderabad PIN: 500090 State: Andhra Pradesh

9th May – 11th May, 2013

National Assessment and Accreditation Council, Bangalore

PEER TEAM REPORT ON	
Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Kukatpally, Distt. Hyderabad, Andhra Pradesh-500090	
Section I : GENERAL INFORMATION	
1.1 Name & Address of the Institute	**Gokaraju Rangaraju Institute of Engineering & Technology, Bachupally, Kukatpally, Distt. Hyderabad, Andhra Pradesh-500090**
1.2 Year of Establishment	15-09-1997
1.3 Current Academic Activities at the Institution(Numbers)	Undergraduate, Postgraduate and PhD Programmes in Engineering & Technology, Computer Application and Business Administration
• Faculties/ Schools	N.A.
• Departments / Centers	10 (Engineering & Technology-08, Management-01, Computer Application-01)
• Programmes / Courses offered	16 (PG : 08, UG : 08)
• Permanent Faculty Members	304(Male-168, Female-136)
• Permanent support staff	73 (Technical 49, Non-teaching 24)
• Students:	4286(UG - 3603, PG-683)
1.4 Three major features in the institutional context (As perceived by the Peer Team)	➤ Located in Rural area and co-educated ➤ Collaboration with industries and good infrastructure ➤ Industrially experienced senior faculty members
1.5 Dates of Visit of the Peer Team	9th May – 11th May, 2013
1.6 Composition of the Peer Team which undertook the on-site visit	
Chairperson	**Prof. M.P. Jain** **(Former Prof. IIT Roorkee, Former VC SOA University)** **Advisor to Chancellor & Dean School of Engg. & Technology** **Sharda University Plot no. 32,34** **Knowledge Park III, Greater Noida-201306(U.P.)**
Member –Co-ordinator	**Prof. Shyam Lal Soni** **Professor (Ex-Head)** **Mechanical Engineering Department, MNIT JAIPUR** **Res.: 24, Dayal Nagar, Gopalpura Bye Pass, Jaipur-302015**
Members	**Dr. Bharat S. Chaudhari** **Principal, International Institute of Information Technology, P-14, Pune Infotech Park, Hinjawadi, Pune-411057, Maharashtra** **Res.: Flat No. 11, Ganesh Residency, 57, Mahesh Society Bibvewadi, Pune-411037, Maharashtra**
NAAC Officer	**Dr. M.S. Shyamasundar,** **Deputy Advisor, NAAC, P.O. Box 1075, Opp. To NLSIU Bangalore University Campus, Nagarbhavi, Bangalore-560072, Karnataka**

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Section II : CRITERION WISE ANALYSIS	
Observations (Strength and /or Weakness) on Key-Aspects (Please limit to three major ones for each and use telegraphic language. It is not necessary to indicate all the three bullets each time; write only the relevant ones)	
2.1 Curricular Aspects	
2.1.1 Curricular Planning and Implementation:	➤ Curriculum is planned as per the Jawaharlal Nehru Technological Uniersity Hyderabad, Andhra Pradesh ➤ Modified syllabus in 2011 after getting self-autonomous status from JNTUH ➤ Developed and offered various courses emphasizing for practical skills and social relevance with the Institute's mission within the ambit of its autonomy based on feed back from various stake holders ➤ Lecture plan available to students through online course file and mid semester evaluation
2.1.2 Academic Flexibility:	➤ Limited academic flexibility of choosing open electives for 3rd and 4th year students ➤ No distance mode programmes run by the Institute
2.1.3 Curriculum Enrichment:	➤ Additional supplementary courses and laboratory equipments in laboratory courses to enrich the student's practical knowledge and skill base ➤ Offers various International Certification Programmes to enhance employability skills of the students ➤ Very clear and transparent procedure exists to monitor and evaluate the quality of various enrichment programmes
2.1.4 Feedback System:	➤ The Institute takes feedback from all the stake holders including students, alumni, parents, academic peers and industry for curriculum development and conveys to the Affiliating University ➤ Two new courses have been introduced based on feedbacks
2.2 Teaching-Learning & Evaluation	
2.2.1 Student Enrolment and Profile:	➤ Students are admitted through state wide competitive exam like EAMCET, ECET, ICET, PGECET strictly according to the conditions laid down by the State Government ➤ The Institute adheres to the reservation policies of the State Government and University rules and regulations, ensuring equity and access.
2.2.2 Catering to Student Diversity:	➤ Additional time given to advanced and slow learners to fulfill their needs. ➤ Bridge course in spoken English and Mathematics ➤ One mentor per 20 students and interact regularly
2.2.3 Teaching-Learning Process:	➤ Academic calendar in line with JNTUH. ➤ ICT enabled teaching-learning available in addition to white boards ➤ NPTEL, NMEICT courses through intranet and internet

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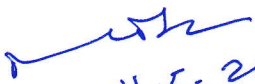| 2.2.4 Teacher Quality:	➢ Out of 304 faculties, 37 Ph.D. holders 263PG and 4 M.Phils ➢ Senior faculty with industrial experience assist the younger faculty ➢ Evaluation of teachers by students ➢ Incentives to obtain higher degrees
2.2.5 Evaluation Process and Reforms:	➢ Evaluation as per the University examination rules ➢ Continuous evaluation and monitoring student progress in place. ➢ Marks obtained and attendance sent to the parent/guardian ➢ Good monitoring of attendance and marks obtained
2.2.6 Student Performance and Learning Outcomes:	➢ Conduct of Seminars and discussions in place ➢ Special English course for weak students. ➢ Strong Language Lab in place

2.3 Research, Consultancy & Extension	
2.3.1 Promotion of Research:	➢ JNTUH recognized GRIET as Research Centre ➢ Incentive scheme for promoting research ➢ Seed money provided for research
2.3.2 Resource Mobilization for Research:	➢ 13 faculty members are acting as research guides ➢ 60 faculties are enrolled for PhDs in various disciplines and 12 obtained ➢ Handsome budget earmarked for research every year
2.3.3 Research Facilities:	➢ R and D facilities available in three departments EEE, ME and Mathematics in Humanities and Basic Sciences ➢ Labs with the state of the art dedicated equipments ➢ Good number of research projects
2.3.4 Research Publications and Awards	➢ 300 research papers, ➢ 40 text books, ➢ 3 patents obtained, 7 filed
2.3.5 Consultancy	➢ Projects worth Rs.174 lakhs undertaken including projects worth 86 lakhs in progress ➢ AICTE, DST, DRDO, DST-SERB are sponsoring R & D projects ➢ Consultancy on modest scale is provided to private Industries
2.3.6 Extension Activities and Institutional Social Responsibility:	➢ Weightage given to R & D and publications for incentives and yearly increments ➢ Awards are given for good research projects ➢ Laboratory Equipment designed & developed and marketed to other institutes
2.3.7 Collaboration:	➢ MoU signed with many industries ➢ Linkages for research and extension with Govt. and private organizations

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2.4 Infrastructure & Learning Resources	
2.4.1 Physical Facilities:	➤ Campus area of 11.5 Acres with built up area of 48786 sq. mts. ➤ Overall conducive academic environment. ➤ Class rooms provided with proper ventilation, furniture with accessories to use OHP, LCD projectors and A/V systems ➤ One open air theatre with 2,000 capacity for outdoor activities and 12 seminar halls, 72 class rooms, 31 tutorial rooms, one conference room, 3 big drawing halls, two computer centres and sufficient administrative areas available ➤ Separate toilets and waiting halls for ladies and gents in every block ➤ Power back up of 415 KVA and Solar power plant of 10 KVA exist ➤ Separate hostels for girls and boys available for limited numbers only
2.4.2 Library as a Learning Resources	➤ Library advisory committee set up to prepare list of books and journals for purchasing ➤ Semi-automated library having 30 systems in a LAN e-learning, LAN and Wi-Fi connectivity ➤ Internet bandwidth with 15mbps available
2.4.3 IT Infrastructure	➤ 1407 computers & Laptops in labs and departments ➤ 650 terminals of LAN/WAN with latest configuration ➤ 1-2 ICT enabled class rooms per department ➤ Regular updating of Institute Web site developed by its alumni
2.4.4 ICT as Learning Resources	➤ NPTEL, OPAC search facility, e-journals like Science Direct are available. ➤ CADENCE and other softwares are available
2.4.5 Maintenance of Campus Facilities	➤ Buildings and labs very well maintained. ➤ Well established maintenance cell for upkeep of facilities & Equipments including the safety and security. ➤ Separate budget allocation for maintenance of Infrastructure
2.5 Student Support and Progression:	
2.5.1 Student Mentoring and Support: Progression	➤ Institute publishes updated prospectus annually ➤ Academic calendar in line with JNTUH exists ➤ More than 60% students get scholarships from government (for SC/ST/OBC and weaker section) & other agencies ➤ Specific support facilities available for SC/ST/OBC, along with Counseling services ➤ Prevention of women harassment mechanism need to be in place in proper form ➤ Alumni Association in place
2.5.2 Student :Progression:	➤ Average of 50% of students are placed while 21% go for higher studies

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	➢ Normally, every year one student tops in the JNTUH merit list ➢ Mock interviews, guest lectures are conducted ➢ Negligible dropout rate
2.5.3 Student Participation and Activities	➢ Curricular(Tech Fest), Sports and Cultural activities every year ➢ One of the students represented in ANDHRA Ranji Trophy cricket team ➢ SAE, IEEE, ISTE and other student chapters exists ➢ Student representation in transport, library, sports, canteen and hostel committees for welfare of the students
2.6 Governance and Leadership:	
2.6.1 Institutional Vision and Leadership	➢ Vision, mission and goals are clearly stated and displayed at all strategic points of congregation in the campus. ➢ Academic bodies required for support of day to day management are well defined and functional. ➢ Involvement of external expertise in improving the Institutional governance and leadership is adequate.
2.6.2 Strategy Development and Deployment :	➢ Strategic plan prepared and laid down. ➢ The feedback monitoring system in place. ➢ Well experienced faculty members. ➢ Recognized research centre duly approved by affiliating University. ➢ NSS in place. ➢ Regular Academic Audit by Institute.
2.6.3 Faculty Empowerment Strategies:	➢ Efforts are made to enhance Professional development of faculty and non-teaching staff ➢ Mentoring the faculty empowerment through relevant rules ➢ Regular interaction of management with staff ➢ Statutory requirements followed for Organizational arrangements ➢ Meetings of BOG, Academic council, advisory committee and planning & monitoring committee held regularly. ➢ Effective decentralization & internal coordination through various committees
2.6.4 Financial Management and Resource Mobilization :	➢ Computerized accounts department ➢ Accounts are audited by internal and external qualified chartered accountants each year. ➢ Sufficient budget exists for institute operation ➢ Adequate reserve funds are available.
2.6.5 Internal Quality Assurance System:	➢ Administrative quality maintained by IDMC, AAC and DDMC ➢ Regular training sessions for faculty and non-teaching staff ➢ Academic Audit by affiliated University
2.7 Innovations and Best Practices:	
2.7.1 Environment Consciousness:	➢ Green Audit of campus conducted periodically ➢ A number of LED lights and LCD/LED monitors have been installed and others are in process ➢ Solar power station of 10 KVA in place. ➢ Plantation programs conducted periodically.
2.7.2 Innovations	➢ A number of senior faculties recruited with industrial experience to make students industry ready.

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	➢ Several International certification programs are available
2.7.3 Best Practices	➢ Emphasis on practical skills
	➢ Value added courses and training is made available to students
	➢ Guest lectures delivered by experts from the industry and academics.
	➢ Branch of OBC Bank and ATM exists in the campus
	➢ Facilities exist for students to pursue extracurricular activities.
	➢ Facilities of online journals and digital library available
	➢ Participatory management well in place
	➢ The Institute involves stakeholders for ensuring effectiveness of teaching learning process.

Section III : Overall Analysis

Observations (Please limit to five major ones for each and use telegraphic language. It is not necessary to denote all the five bullets for each)

3.1 Institutional Strengths	➢ Well laid out campus.
	➢ Advanced Instruments and equipment available for educational and industrial purposes
	➢ JNTUH Recognized research centre in three branches
	➢ Good number of research papers, books and well qualified faculty
	➢ Offices of the Principal and HODs help in solving various study related problems
	➢ Good fleet of transport buses
	➢ 3 patents awarded and 7 applied
3.2 Institutional Weakness	➢ Lack of non-academic skills amongst students
	➢ Lack of communication skills and confidence with in some students
	➢ Campus recruitment for PG students to be further strengthened
	➢ Medical team members to be increased
	➢ Hostel and sports facilities need improvement
	➢ Collaboration with the MNCs/Premier Institutes need to be improved
	➢ More qualified and experienced faculty need be recruited
	➢ Faculty need to be better recognized for their achievements
	➢ Women Sexual Harassment Cell need to be constituted as per norms
3.3 Institutional Opportunities	➢ Availability of a large number of new on-line and self-learning resources
	➢ The institution can encourage student projects further and more frequent industrial visits.
	➢ To improve the quality of teaching the institution may provide induction faculty development programmes at regular intervals
	➢ The institute may strive to attain academic excellence at the

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	national level
	➤ More national projects may be targeted from AICTE, DST, MNCR, MHRD, DRDO, industries of repute etc. ➤ Exploit the available expertise in creating new Centres of Excellence and environment for research and consultancy ➤ Develop strong core and inter-disciplinary research.
3.4 Institutional Challenges	➤ To attract top ranking students for admission in the Institute ➤ Providing global and industry exposure and experience to UG/PG students, researchers and faculty to a larger extent. ➤ ICT integration at all levels ➤ Maintaining healthy and competitive involvement with other Institutions in the region ➤ The Institute has to adopt new practices in identified areas to bring in external funding and promote innovation. ➤ Creation of employment opportunities through entrepreneurial leadership development programmes. ➤ Encouraging existing faculty with potential for R & D work ➤ Strengthening the Industry-Institute interaction for establishment and promotion of research, consultancy, internship and placement. ➤ Increase placement opportunities for the students. ➤ Inclusion of modern technological developments and management practices into the curriculum.

Section IV: RECOMMENDATIONS FOR QUALITY ENHANCEMENT OF THE INSTITUTION

➤ Regular interaction with alumni be there

➤ Regulations on academic matters to be made comprehensive and amended regularly. All stakeholders, i.e., faculty, students and administrators may be guided by these in day–to-day functioning.

➤ Multi-disciplinary programmes may be introduced.

➤ Campus may be made friendlier to differently-abled persons

➤ Industry-linked project component to be structured into all the programmes.

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> More Short term skill development programmes for local population may be organized.

> Hostel facilities may be further expanded and improved

> In house research funding should be enhanced to promote and strengthen research activities

> Obtaining external funding for research and development through institution industry alliance

> Entrepreneurship development skills be improved

> More frequent Industrial visits be conducted

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

Signature of the Peer Team Members:

Signature of the Head of the Institution
Seal of the Institution

PRINCIPAL
GOKARAJU RANGARAJU
Institute of Engineering and Technology
Bachupally, Kukatpally, Hyderabad-500 090

Name and Designation	Peer Team Members	Signature with date
Prof. M. P. Jain	Chairperson	11.5.2013
Prof. Shyam Lal Soni	Member Co-ordinator	11/05/2013
Dr. Bharat S. Chaudhari	Member	May 11, 2013
Dr. M.S. Shyamasundar,	Deputy Adviser	

Place: Hyderabad

Date: 11ᵗʰ May, 2013