

**REPORT OF THE EXPERT COMMITTEE VISITED TO
KONERU LAKSHMAIAH COLLEGE OF ENGINEERING,
GREEN FIELDS, VADDESARAM ANDHRA PRADESH
FOR CONFERMENT OF DEEMED TO BE UNIVERSITY
STATUS UNDER SECTION 3 OF THE UGC ACT, 1956**

(1ST & 2ND DECEMBER, 2008)



**UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI**



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EXPERT COMMITTEE REPORT WHICH VISITED KONERU LAKSHMAIAH COLLEGE OF ENGINEERING AT GREEN FIELDS, VADDESWARAM ANDHRA PRADESH FOR CONFERMENT OF DEEMED TO BE UNIVERSITY STATUS UNDER SECTION 3 OF THE UGC ACT, 1956 ON 1ST & 2ND DECEMBER, 2008.

I. INTRODUCTION

Koneru Lakshmaiah College of Engineering, Green Fields, Vaddeswaram P.O. Guntur, District Andhra Pradesh applied for deemed to be university status under general category through Ministry of Human Resource Development, Government of India. Accordingly, the Chairman, UGC constituted an Expert Committee, comprising of the following, to make an on the spot assessment of the existing infrastructure and academic facilities and also of its future potential for considering conferment of deemed to be university status under Section 3 of the UGC Act, 1956:

- | | | |
|----|--|----------|
| 1. | Dr. M.S. Palanichamy Vice Chancellor Tamil Nadu Open University Chennai – 600 025 | Chairman |
| 2. | Prof. S.C. Saxena Director Indian Institute of Technology Roorkee – 247 667 Uttarakhand | Member |
| 3. | Prof. B.S. Shastri, Mining Engg. Department IIT, Kharagpur – 721 302 | Member |
| 4. | Dr. H. Devraj Prof. & Head Department of Bio-Technology Guindy Campus, University of Madras Chennai – 600 025 | Member |





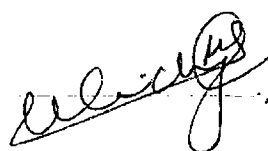
- | | | |
|----|--|-----------------|
| 5. | Prof. Ashoke K. Dutta Director Rajiv Gandhi Institute of Management Mayurbhhanj Complex, Nangthymmai Shilling – 793 014 | Member |
| 6. | Prof. V.K. Bhalla Faculty of Management Studies University of Delhi Delhi | Member |
| 7. | Shri A.K. Dogra Joint Secretary UGC, New Delhi | UGC Coordinator |

Prof. V.K. Bhalla could not join the committee.

An AICTE team, comprising of the following, also visited the College on the same dates.

- | | | |
|----|---|-------------------------------|
| 1. | Prof. S.C. Saxena Director Indian Institute of Technology Roorkee – 247 667 Uttarakhand | Chairman |
| 2. | Prof. Vanketa Ramana Dean School of Management Studies University of Hyderabad, Gachi Bowli, Hyderabad – 500 046 | Member |
| 3. | Prof. Rasheed Ahmed Khan Department of Mechanical Engineering Jamia Milia Islamia Jamia Nagar, New Delhi – 110 025 | Member |
| 4. | Dr. Rakesh Kumar Adviser (Admn.) All India Council of Technical Education Chandralok Building, Janpath, New Delhi – 110 001 | Convenor of the AICTE team |

Prior to the actual validation and assessment of the College, Dr. M.S. Palanichamy, Chairman of the Committee and Sh. A.K. Dogra, UGC Coordinator briefed the members of the Expert Committee in a separate meeting about the proposal of the applicant College received by the UGC for consideration for deemed university status. It was further informed that the

proposal is for deemed university status to Koneru Lakshmaiah College of Engineering under the general category. ○


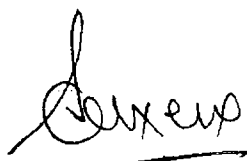
Sri K. Satyanarayana, Chairman of the College, received the Committee Members along with other functionaries of the College and faculty members. A power point presentation was made by Dr. L.S.S. Reddy, Principal of the College about the Institution and its activities / programmes. Prof. Reddy and other faculty members to the satisfaction of the Members answered various queries raised by the Expert Committee. Dr. M.S. Palanichamy then requested the members to visit the College and to examine the infrastructure and other facilities available and give their observations / suggestions keeping in view the provisions in the UGC guidelines.

All members of the Committee visited the common facilities like Administrative Building, Library, Computer Labs, Auditorium, Play Ground, Hostels, Seminar Hall, Auditorium, Canteen, Cafeteria etc.

Also, the members of the expert committee visited all the laboratories in various departments and observed that all the laboratories are well equipped with the required equipments as per the curriculum and all of them are in the working conditions.

The committee interacted with the teaching and non-teaching staff separately and also with the students. The interactions reveal that all of them accept the concept of conferment of deemed to be university status and they showed potential and preparedness for the same. They also expressed happiness about the facilities provided by the Management for teaching learning process and other efforts for placement etc.

The committee interacted with the group of non-teaching employees who have made a representation to UGC and AICTE. It was informed that they have not been paid the salary for 10 months. The genesis of the dispute lies in view of employees not being brought on permanent role. These employees have resorted to striking and are on strike since last 10 months. Their main contention is that the Management should regularize them and also pay salary for the strike period. However, they categorically admitted that the salaries till the time they worked have been disbursed timely. The committee



also probed into these allegations during its interaction with the non-teaching staff on roll. They confirmed that the charges leveled by the striking group against the Management are baseless. The salaries are being disbursed to the non-teaching staff on the 5th day of every month. They were highly appreciating attitude of the Management having extended a large number of benefits to the employees by way of free-ships to their wards, admission out of Management quota, medical insurance etc. It was also informed that the Management will not deduct salary for absence on unavoidable grounds like medical and maternity reasons etc. They were vocal about the obtrusive attitude of the striking employees which they claimed even indulged in activities like theft, forging of records etc while in service.

The committee of the considered opinion that the decision to make the employees permanent lies entirely with the Management which it has to take based on the merits of each case. However, it is not expected that any Management to disburse salary even for the period the employee willingly abstained itself against the principle of 'no work no pay'.

II. Background of the College

(a) Sri Koneru Lakshmaiah Charities Trust

Sri Koneru Lakshmaiah Charities is a Charitable Trust and was registered in 1980. The trust had responsibility to establish and run Koneru Lakshmaiah College of Engineering at Green Fields, Vaddeswaram. The office of the trust was located at Vijayawada.

Koneru Lakshmaiah Education Foundation

The trust was converted into a society named Koneru Lakshmaiah Education Foundation in the year 1996 with the office located at Vijayawada. The foundation had infused fresh investment and improved the institution. New branches were added, post-graduate courses were introduced and KLCE was given the Autonomous status. KLCE under the stewardship of the foundation was accredited by NBA and NAAC and received certification from ISO. Five schools were introduced.

(b) **Vision**

"To Become a World Class Institution in Education and Research."

(c) **Mission**

To impart technical education in cutting edge technologies, inculcating applied research, scholarly inquiry, creative endeavor, through the knowledge and values based moulding of students and make an imprint in the economic and social development of the Nation

(d) **SCHOOLS OF THE INSTITUTION:**

i. **School of Computing :**

- Division of Computer Sciences & Engineering (CSE)
- Division of Information Science & Technology (IST)
- Division of Electronics & Computer Engineering (ECM)
- Division of Computer Applications (MCA)

ii. **School of Electrical Sciences :**

- Division of Electronics and Communications Engineering
- Division of Electrical and Electronics Engineering

iii. **School of Mechanical and Civil Sciences :**

- Division of Mechanical Engineering
- Division of Industrial and Production Engineering
- Division of Civil Engineering.

iv. **School of Sciences and Humanities:**

- Division of Bio-Technology
- Division of Freshmen Engineering 1
- Division of Freshmen Engineering 2

v. **School of Management Sciences:**

- Division of Management Business Administration

(e) **TEACHING COURSES OFFERED**

(i) **U G Courses (8 Semesters)**

- B.Tech. Bio-Technology (BT)
- B.Tech. Civil Engineering (CE)
- B.Tech. Computer Science & Engineering (CSE)



- B.Tech.. Electronics & Communication Engineering (ECE)
- B.Tech.. Electronics & Computer Engineering (ECM)
- B.Tech. Electrical & Electronics Engineering (EEE)
- B.Tech. Industrial & Production Engineering (IPE)
- B.Tech. Information Science & Technology (IST)
- B.Tech. Mechanical Engineering (MECH)

(ii) **PG Courses (4 Semesters)**

- M.Tech Computer Science and Engineering
- M.Tech Communication and Radar Systems
- M.Tech Power Systems and Power Electronics
- M.Tech Computer Integrated Manufacturing Systems
- M.Tech Industrial Engineering
- Master of Computer Applications (6 Semesters)
- Management and Business Administration

(iii) **Ph.D Courses**

Acharya Nagarjuna University has recognized the following Divisions as its research Centers

- Division of Computer Sciences & Engineering (CSE)
- Division of Electronics and Communications Engineering
- Division of Electrical and Electronics Engineering
- Division of Mechanical Engineering

(f) **RESEARCH:**

(i) **Collaboration for Research:**

The Institution has research collaboration with DLRL, DEAL ISRO and AICTE to promote research.

(ii) Completed and On going Research Programmes

| S.No | Title of the Project | Sponsoring agency | Amount Rs. (in Lakhs) |
|------|--|-------------------|-----------------------|
| 1 | Switching Control Strategies for direct torque control of Induction motor drives | AICTE | 5.00 |

| | | | |
|----|---|--------------------|--------|
| 2 | Village level e-governance initiatives | SIRIJI ASSOCIATION | 12.00 |
| 3. | Randome Design | AICTE | 5.82 |
| 4 | Development of Expert System for diagnosis of Gearing and Bearing faults in machinery | NSTL | 9.49 |
| 5. | Expandable Transmitters and receivables | DLRL | 4.5 |
| 6 | Theoretical studies on phased array antennas for satellite links from air crafts | DEAL | 8.5 |
| 7 | Ozone and NO _x analyzer for solar radiation | ISRO | 24.04 |
| 8 | Design of water supply and sewage systems | VGTM, UDA | 25.00 |
| 9. | 3rd Party Quality Controller for VGTM Urban Development Authority | VGTM, UDA | 500.00 |
| 10 | Modernization of FMS Lab | AICTE | 12.00 |
| 11 | Rapid Prototyping Machine | AICTE | 12.00 |
| 12 | Single Direction Antenna L & S Bands | ISRO | 25.00 |
| 13 | Sequential separation of high value products cum Microalgae | DST | 12.96 |
| 14 | Testing of Embedded Systems | VI MICROSYSTEM | 20.00 |
| 15 | Moderanization of FMS Laboratory | AICTE | 12.00 |
| 16 | Moderanization of Concrete lab | AICTE | 5.00 |

(g) Extension Programs

(i) Social Service Wing (SSW)

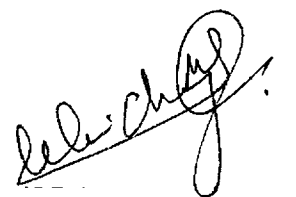
The SSW started in this institution in the year 2007. Free medical camp are conducted once a week in the adjacent 5 villages.

(ii) National Service Scheme (NSS)

The N.S.S. activity started in this institution in the year 2003. Nearly 150 students enroll in this scheme every year. The N.S.S. core group is headed by the Principal, N.S.S. Program Officer and three other members works actively and conducts several programs which include

- a) Collecting funds for "National Foundation for Communal Harmony" i.e., to help poor children, natural calamity relief funds, donations to old age homes etc.





- b) Organizing Blood donation camps very effectively at various places. Nearly 2000 students have donated blood which was sent to various blood banks like Indian Red Cross Society, Lions Club etc.,
- c) Collection and distribution of cloths to poor people in slum areas.
- d) AIDS awareness camps.
- e) Tree plantation programs.

The Expert Committee had a detailed discussion with the Management of the College, Faculties and the students. The inspection report based on the discussion, visit to the College and various documents / information provided by the College is as under:

III. Inspection Report:

1. Headquarter of the proposed College applied for Deemed to be University status with full address:

Koneru Lakshmaiah Education Foundation
29-36-38, Museum Road, Governorpet, Vijayawada – 520002
Tele: 08645-246948, 246615, Fax: +918645-247249
Email: adm@klef.ac.in,
Website: <http://www.klef.ac.in>

2. a) Whether the separate society / trust have been registered in the name and style of the proposed deemed to be university.

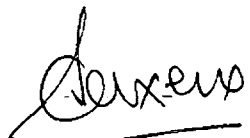
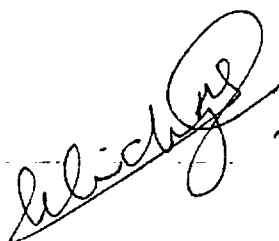
YES (Regd. No: 270 of 1996 Dated: 19th July, 1996)

- b) If yes, name of the Society / Trust promoting the proposed College(s) for Deemed to be University Status which should be one for all Institutions if the proposal is for more than one Institution.

A Trust on the name of Koneru Lakshmaiah Education, Vijayawada has been established on 19th July, 1996. A copy of the Trust Deed is at Annexure-I.

3. Details of the individual Institution i.e., year of establishment, No of PG Departments, Faculty (Professors, Readers, Lectures) etc.

Koneru Lakshmaiah College of Engineering was established in the year 1980.

No. of P.G Departments – 7

Faculty : 319 (Professors : 43, Readers : 62, Lecturers : 214)

4. Whether movable and immovable assets have been legally transferred in the name of the Society / trust seeking as Deemed to be University.

Yes. **Annexure-II.**

5. Territorial jurisdiction of the Institution(s)

Andhra Pradesh

6. Thrust areas of the proposed Institution(s) indicating special or innovative features.

(a) **Thrust areas:**

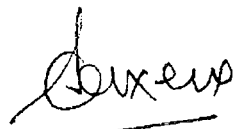
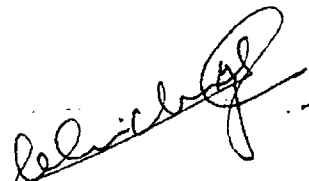
- i. Broad based admission.
- ii. Distance learning program.
- iii. Corporate Learning.
- iv. Centers of excellence.
- v. Twinning Programmes.
- vi. Dual Degree Programme.

(b) **Innovative Features:**

The institution has taken numerous steps to improve the quality of Technical Education and the Management and staff are striving to achieve the goals as stated in the Quality Policy. The following are some of the innovative practices introduced to improve the quality of Technical Education.

(i) **College Policy Manual:**

College Policy is a meticulously compiled policy document that describes all the College policies and rules and provides general guidelines. The College policy aims at achieving the satisfying norms and standards as specified by statutory bodies, continuous evaluation of the extent of confirmation of the above, streamlining the efforts of the Management, staff and students in

achieving the specified goals. Record all the proceedings and improve upon the interactions. Maintaining records for the purpose of presentation to statutory bodies. Defines the role of each employee of the Institution.

ii) **Standing Operating Procedures (SOP)**

Exhaustive Standing Operating Procedures (SOP) have been formulated. These are based on the College Policy Manual generated by the Board of Management. These help the academic and administrative staff of the College to carry out their duties as per the existing policy in an organized and standardized form. These SOPs cover all contingencies and leave no scope for doubts. All the employees are required to read the SOP when they join and sign a certificate to that effect. The copies of the SOPs are available in all departments for ready reference. The SOPs are periodically updated to keep in step with the new developments in the College. The SOP contains the following major aspects:

- Organization of the College.
- Charter of duties of all grades of employees.
- Procedures involved in carrying out the duties efficiently.
- Supervising and reporting systems and formats.
- Appraisal systems.
- Action to be taken in a crisis/unforeseen circumstances/ contingencies.
- Accountability, redressal of grievances and appeals.

(iii) **Freshman Engineering Department**

All the first year students are brought under an exclusive department, namely 'Freshman Engineering Department (FED)'. This concept stems out from the fact that the

orientation given to the students in the initial stages has a profound effect on the future performances of the students. FED aims at :

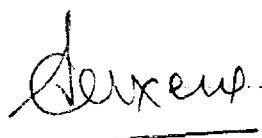

- i. Inculcating professional culture to the student.
- ii. Motivating students to learn concepts.
- iii. Explaining the college goals and orienting the students towards achieving them.
- iv. Provision of stress free environment for the students

(iv) **Communications & Soft Skills (CSS):**

Keeping in view the global demands and rising International standards it has been realized that communication and soft skills play a pivotal role in transforming a young engineer into a successful executive with professional profile. Hence a separate communication and soft skills department with faculty from disciplines like Mathematics, English, Management and Psychology has been established. The department conducts various training programs in the campus in diverse areas like Language Communication skills, Analytical and Logical reasoning, Aptitude, personal and social skills. The academic programs include communication skills classes for I, II, III year B.Tech students, and CSS Lab for I / IV B.Tech students. In addition to the above the department plans and organizes short – term and long – term training programs for students to attain the skill sets required for various stages of the recruitment process like written test, group discussions, Technical and HR Interviews.

(v) **Teaching - Learning Process:**

- a) Lesson Plans for every theory subject are prepared before the start of the semester and placed on the web site as this would help the

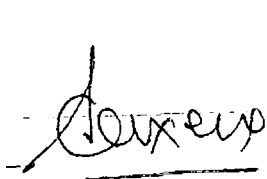



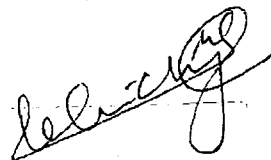
students to come prepared to the classes for a fruitful interaction with their respective teachers. The Heads of the Departments monitor the lesson plans fortnightly so as to take necessary corrective actions if there are any deviations. Monitoring of teachers ensures uniform coverage of syllabus.

- b) All the Departments are provided with ET facilities such as OHP, LCD, Lecture CDs and Video lectures of eminent Professors from IITs. Facility to receive lecture broadcasts through SONET is also provided. e-Learning is introduced for every subject. A separate site is created on the college intranet for every subject. Respective teacher puts all the course material assignments and material from different sources in this site which all the students of that particular subject can access.
- c) Student's feedback is collected for every subject and feedback analysis is done. 25% Weightage is given in the performance appraisal of faculty.

(vi) **Industry - College Interaction:**

- a) Industrial Relations and Placement Cells have been established in Vijayawada, Hyderabad, Chennai, Bangalore and Delhi exclusively for developing strong industry -College interaction. The activities of the cell include arranging for MOUs, Industrial visits, Industrial tours, Guest Lectures, Continuing Education, Extension Lectures, Industrial Training, DDC meetings, Entrepreneurship Motivation, Workshops, Live Projects and Placements etc.
- b) Department Development Council (DDC) Meetings are conducted by all departments with experts





from Industry to seek specific recommendations for setting up extra laboratories, inclusion of extra experiments and introduction of special topics over and above those prescribed in the course structure given by the University.

- c) Exclusive programs on Entrepreneurship Development by Bankers, SISI, and persons from Industry are conducted for the benefit of the students.
- d) All the students at the end of 3rd year undergo industrial training in the summer vacation.
- e) Industry experts are invited for delivering guest lectures at regular intervals.
- f) Students are encouraged to take up live projects from the industry.
- g) Staff is deputed to industries for on the job training at regular intervals.

7. Date(s) of visit of the Expert Committee

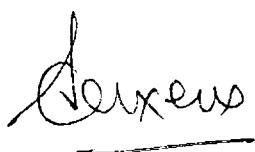
1st & 2nd December, 2008


8. Is the proposal under General / De-novo Category; if yes please give justification.

The proposal is under General Category.

9. Whether accredited by NAAC/NBA, if yes, rating?

(a) NAAC accredited with 'A' Grade with the highest rating of 3.76 on 4 point scale (Annexure-III).


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- (b) All courses have been NBA accredited. 6 courses of-UG, for 5 years duration and 3 courses for 3 years duration. A letter received from NBA is attached at *Annexure-IV*.

10. Whether the proposed institution(s) is affiliated to any university under Section 2(f)/12B of the UGC Act? If yes, the name of the University.

YES - The College is currently affiliated to Acharya Nagarjuna University at Guntur Dist., (A.P.)

11. Whether the affiliating university willing to examine and confer degree of other awards of students already enrolled with the Institution(s) seeking Deemed to be University Status.

Yes, Letter No.S2-KLC/Deem Univ./07 dated 29.05.2007 is at *Annexure-V*.

12. Source of finance and quantum of funds available.

The College is self-financed. Hence funds required are derived from student fee. Incase of shortage, the parent society is providing funds. Details are as follows:

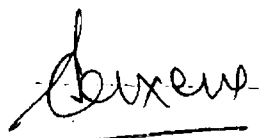
| | Rs. (Amount in Lacs) p.a. |
|---|---------------------------|
| Fee | 1340.00 |
| From State Govt. | Nil |
| From UGC | Nil |
| From Others (Consultancy and Sponsorships) | 33.00 |

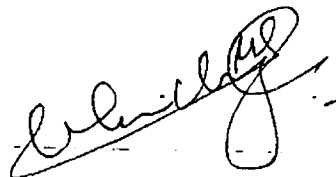
13. Whether the institution(s) is financially and academically viable to run the institution(s) as Deemed to be University.

Yes. The Institution is supported by the parent Society.

14. Receipt and expenditure of the Institution(s) for the last 3 years

Copy of the Audited Statement for the years 2005-06, 2006-07 & 2007-08 are attached as *Annexure-VI* (colly)





15. Whether the permission from the concerned State Govt. has been obtained. If yes, please attach a copy of the permission letter / views of the State Government.

A copy of the NOC received from Andhra Pradesh State Council of Education, Hyderabad bearing no.APSCHE/UM-740/Deemed Univ. KLCE-NOC/2008 dated 15.05.2008 is attached as Annexure-VII.

16. Details of UG/PG courses started / to be started

(a) The following Under graduate & Post graduate programs are presently offered

(i) U G Courses (8 Semesters)

- B.Tech. Bio-Technology (BT)
- B.Tech. Civil Engineering (CE)
- B.Tech. Computer Science & Engineering (CSE)
- B.Tech.. Electronics & Communication Engineering (ECE)
- B.Tech.. Electronics & Computer Engineering (ECM)
- B.Tech. Electrical & Electronics Engineering (EEE)
- B.Tech. Industrial & Production Engineering (IPE)
- B.Tech. Information Science & Technology (IST)
- B.Tech. Mechanical Engineering (MECH)

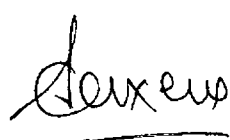
(ii) P G Courses (4 Semesters)

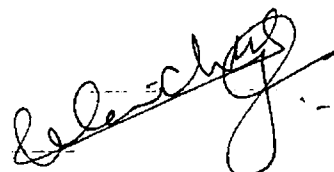
- M.Tech Computer Science and Engineering
- M.Tech Communication and Radar Systems
- M.Tech Power Systems and Power Electronics
- M.Tech Computer Integrated Manufacturing Systems
- M.Tech Industrial Engineering
- Master of Computer Applications (6 Semesters)
- Management and Business Administration

(b) The following courses will be started soon:

(i) UG Courses (Permission Sought)

- B.Tech. Aerospace Engineering
- B.Tech Nano Technology
- B.Tech Computer Science & Systems Engineering





(ii) P G Courses (Permission Sought)

- Post Graduate Diploma in Business Management (PGDBM)

17. Whether the College has Rs.5.00 crore Corpus Funds for Engineering Technology, Rs.3.00 crore for Science & Social Science and Rs.5 crore Corpus Funds for conducting both types of Programmes. Please specify and indicate the amount after verifying the Corpus Fund.

Yes Rs.12,80,73,540 Corpus funds is already deposited as per details at Annexure-VIII.

18. Whether various authority and bodies of the College are in accordance with the provisions of the UGC Guidelines.

The MoA / Rules of the College are as per UGC model. A copy of the MoA / Rules is attached as Annexure-IX.

INFRASTRUCTURE:

19. Details of buildings
- | | | | |
|------|--|---|--|
| i. | Permanent | : | 57951 Sq.mt |
| ii. | Temporary/Lease property | : | 2446 sq. mt. of built up area on lease for staff accommodation |
| iii. | Administrative area of 5907 Sq. mt. is available. | | |
| iv. | An Area of 2207 sq.m is available for Library purpose. | | |
| v. | Guest house having 650 sq.mt is available. | | |
| vi. | Staff quarters in campus and leased near campus 2446 sq. mt.is available. | | |
| vii. | Music room and other recreational facilities are created in the area of 42927 sq.mt. | | |
20. Land if acquired, Whether documents verified / land registered in the name of the university and its location.

A land measuring 43.56 acres land has been acquired after proper verification of the documents and has been registered in the name of the foundation. The land is situated in Vaddeswaram village, Guntur Dist., of Andhra Pradesh.

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21. No. of Laboratories; give details

Number of laboratories : 74

Area per student : 12 Sq.mt

Equipment worth : Rs.559 lacs

Department-wise list of the laboratories is at Annexure-X.

22. Whether students already admitted, if yes give details course-wise

Yes, So far 8352 number of students have passed out of the institution. The details of the students presently enrolled are:

| S.No | Department | I year | II Year | III Year | IV Year |
|------|----------------|--------|---------|----------|---------|
| 1. | Bio-Technology | 60 | 58 | 65 | 72 |
| 2. | Civil | 60 | 69 | 61 | 55 |
| 3. | CSE | 120 | 122 | 135 | 133 |
| 4. | ECE | 120 | 136 | 134 | 128 |
| 5. | EEE | 120 | 122 | 138 | 123 |
| 6. | ECM | 120 | 124 | 123 | 61 |
| 7. | IP | 60 | 59 | 57 | 51 |
| 8. | IT | 120 | 120 | 135 | 128 |
| 9. | Mechanical | 120 | 122 | 119 | 119 |

23. Hostel facilities, give details

The Girls hostel is located on the campus while the boys hostel is located in vicinity of the campus.

Accommodation details

Girls Hostel:

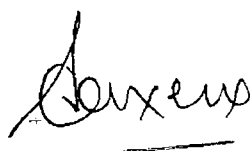
Rooms : 78 Capacity : 303 Area : 4236 sq.mt.

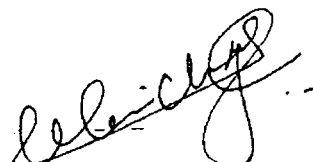
Boys Hostel:

Rooms : 102 Capacity : 302 Area : 2936 sq.mt.

24. No. of class rooms

No. of class rooms : 75, Area per room : 120 sq.mt., Area per student : 12.50 sq.mt.





25. Whether College has auditorium

Institution has one open air Auditorium and an Indoor Stadium having capacity 3000 and 2000 respectively.

LIBRARY & EQUIPMENT

26. Area in sq. meters : **1500 sq.mt.**

27. Number of Journals:

National : 153, International : 110

28. Is it digital Library :

Yes, digital Library with 60 computers with internet capacity 6MBPS is made available

29. Does it have reprographic and bar-coding facilities :

Yes. Printers : 1, Xerox : 1, Scanner : 1

30. Whether Equipments, Books and Journals are worth Rs.50 lakhs

Cost of Equipment Rs.648 lacs

Cost of Books Rs.138 lacs

31. Books – give details

A Central Library with an area of 1500 Sq.m. with Digital Library, Web OPAC and DELNET is functioning from 7.00 AM to 9.00 PM on all working days and 9.00 AM to 7.00 PM on all holidays, including Sundays. In addition, each department has its own Library.

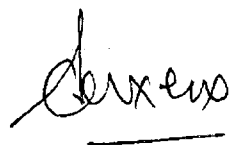
The details of Central Library are:

Library is operating on an Open access system.

The total collection in Library:

Books

- **Titles - 21,558**
- **Volumes - 69,540**





- Journals/magazines
 - Indian - 150
 - International - 113
 - Back Volumes - 1318
- E- Resources
 - CDs/DVDs - 2715
 - Online Journals - 77
 - Total Carpet area - 1500Sq.m
 - Total Seating Capacity 600
 - Every Department is having its own Library in addition to the Central Library.
 - The Central Library is automated with Integrated Information systems (in house developed).
 - WEBOPAC is the special feature of the Institution.

FACULTY AND OTHER STAFF

32. Whether teaching staff appointed, if yes give details

| | | |
|---|---|--------------------|
| Total Number of Teaching Faculty | : | 319 |
| No. of Professors | : | 43 |
| No. of Assistant Professors | : | 62 |
| Lecturers | : | 214 |
| Teacher – student ratio | : | 1:12.87 |
| Cadre Ratio | : | 1:1.44:4.98 |

33. Whether the College has five departments – each Department having one Professor two Readers and adequate number of Lectures along with necessary supplementary staff. If so, please give details department – wise.

Yes, Faculty details department-wise are as follows:

| S.NO | DEPARTMENT | PROF. | ASST. PROF. | LECTURERS | TOTAL |
|------|--------------------------------|-------|-------------|-----------|-------|
| 1 | FRESHMAN ENGINEERING | 9 | 13 | 42 | 64 |
| 2 | BIO-TECHNOLOGY | 1 | 4 | 9 | 14 |
| 3 | CIVIL | 3 | 2 | 9 | 14 |
| 4 | COMPUTER SCIENCE & ENGINEERING | 6 | 5 | 25 | 36 |

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| | | | | | |
|----|----------------------------------|---|---|----|----|
| 5 | ELECTRONICS & COMMUNICATION | 3 | 6 | 23 | 32 |
| 6 | ELECTRONICS & COMPUTER SCIENCE | 3 | 4 | 16 | 23 |
| 7 | ELECTRICAL & ELECTRONICS | 5 | 5 | 23 | 33 |
| 8 | INDUSTRIAL & PRODUCTION | 2 | 4 | 11 | 17 |
| 9 | INFORMATION SCIENCE & TECHNOLOGY | 3 | 6 | 20 | 29 |
| 10 | MECHANICAL | 5 | 7 | 18 | 30 |
| 11 | M C A | 1 | 4 | 12 | 17 |
| 12 | M B A | 1 | 2 | 7 | 10 |

A list of the teaching staff is at Annexure-XI.

34. Whether the College is giving pay scale to teachers as prescribed by UGC. If not, is the College proposed to bring teachers pay scales at par with University teachers?

Pay Scales as per AICTE norms are already adopted.

Pay Scales : Lecturers : 8000 – 275 – 13500

Readers : 12000 – 420 – 18300

Professors : 16400 – 450 – 20900 – 500 – 22400

35. Whether Non-teaching staff appointed, if yes, give details

Yes. List of the Non-teaching staff is enclosed as Annexure-XII.

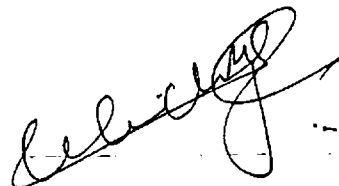
36. Is the Deemed University running Distance Education Programme, if yes has it been approved by DEC/UGC

NO – The Institution is not running any Distance Education Programme.

37. Whether the Institution established any off campus or study center or admission center outside the State of its jurisdiction. Please specify.

NO – not established any study centers or off campuses outside the State of jurisdiction

Annexure



38. Whether the College has undertaken any research activities, if so, please give details

Yes

| | | | |
|-----|---|--------------------|-------|
| 1. | Switching Control Strategies for direct torque control of Induction motor drives | AICTE | 5.00 |
| 2. | Village level e-governance initiatives | SIRIJI ASSOCIATION | 12.00 |
| 3. | Random Design | AICTE | 5.82 |
| 4. | Development of Expert System for diagnosis of Gearing and Bearing faults in machinery | NSTL | 9.49 |
| 5. | Expandable Transmitters and receivables | DLRL | 4.5 |
| 6. | Theoretical studies on phased array antennas for satellite links from air crafts | DEAL | 8.5 |
| 7. | Ozone and NO _x analyzer for solar radiation | ISRO | 24.04 |
| 8. | Design of water supply and sewage systems | VGTM, UDA | 25.00 |
| 9. | 3rd Party Quality Controller for VGTM Urban Development Authority | VGTM, UDA | 50.00 |
| 10. | Modernization of FMS Lab | AICTE | 12.00 |
| 11. | Rapid Prototyping Machine | AICTE | 12.00 |
| 12. | Single Direction Antenna L & S Bands | ISRO | 25.00 |
| 13. | Sequential separation of High value products from Microalgae | DST | 12.96 |
| 14. | Testing of Embedded Systems | Vi Micro System | 20.00 |

- The Colleges publishes a research journal "International journal of Systems and Technologies".
- **Research Publication:**
 - **National Journals :** Annexure-XIII
 - **International Journals:** Annexure-XIV

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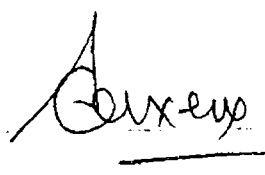
39. Whether the faculty members organized or attended International/ National Conferences / Workshops, if so, give details.

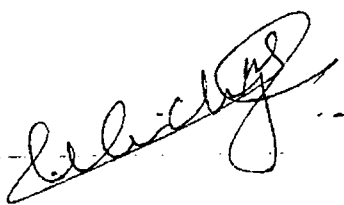
Yes

| | 2004-2005 | 2005-2006 | 2006-2007 |
|---|-----------|-----------|-----------|
| Seminars/ Workshops/ conferences | 35 | 78 | 121 |

International Conferences organized: 2

- Department of Electronics and Communications has organized International Conference on **RF and Signal Processing** during the period 1st & 2nd February 2008.
 - Department of Mechanical Engineering has organized International conference on **Recent Advances in Experimental fluid dynamics** during the period 3rd – 6th March 2008.
40. Other facilities available at the College(s) (give details) which are necessary to support Deemed to be University Status.
- (a) **Construction of additional buildings for classrooms and laboratories.**
 - (b) **Additional administrative and office space.**
 - (c) **Guest House**
 - (d) **Bank**
 - (e) **Additional staff for the University.**
 - (f) **Evolving of University Policies including admission and examinations.**
 - (g) **Construction of additional hostels for students and living accommodation for staff.**
 - (h) **Arrangement of additional funds.**
 - (i) **Wi-Fi in the Campus**
 - (j) **Construction of additional faculty quarters in campus.**


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41. Fee Structure : give details

B.Tech.

Convener Quota - Rs. 33,200/- (per year)

Management Quota - Rs.94,700/- (per year)

M.Tech. - Rs.25,000/- (per Semester)

42. Admission Policy/Procedure in brief

A comprehensive admission policy is evolved. The highlights are:-

The policy confirm to the policies of the state govt. in terms of eligibility criteria and reservation policy. 75% of the seats are done by the state Govt, 25% are admitted by the institution with due regard to the regulations stipulated by the state govt.

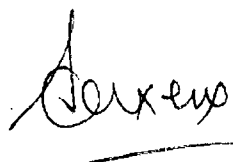
43. Examination system in brief

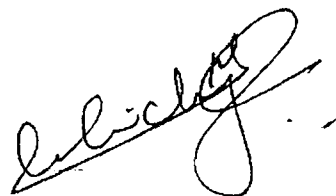
Comprehensive policy is evolved and called examination regulations. The highlights are:

- (i) The Examination committee is constituted.**
- (ii) The Controller of Examinations (COE) is responsible for conduct of the examinations.**
- (iii) The internal examinations will be conducted by the respective schools.**
- (iv) External Examination work is done by COE.**
- (v) Evaluation and declaring results is done by COE.**
- (vi) Proper security arrangements are made for conduct of examinations**
- (vii) System of seeking revaluation and appeals exists.**

44. Whether the College is following standard / norms prescribed by statutory councils like AICTE, MIC etc. as the case may be in respect of professional courses.

Yes.





45. Whether the College has given necessary undertakings/assurance as per UGC Guidelines; please attach the same.

Necessary undertakings are attached as Annexure-XV.

46. Results for the last five years

A Statement is attached as Annexure-XVI.

47. Placement Record

| Year | No. of Students placed |
|-----------|-----------------------------|
| 2004-2005 | 82% of registered students |
| 2005-2006 | 100% of registered students |
| 2006-2007 | 100% of registered students |
| 2007-2008 | 100% of registered students |

48. Extension Activities

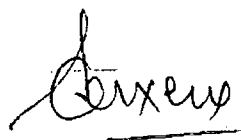
The college is undertaking following extension activities

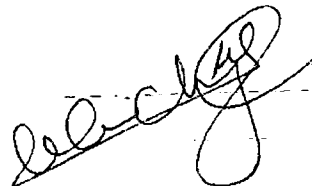
NSS

- Blood Donation Camps
- Blood Grouping Camps
- Fund collection and distribution to poor children and old people.
- Distribution of old cloths and free medicines to slum area people
- Tree plantations
- AIDS awareness programme
- Tsunami relief fund

Social Service Wing (SSW)

- KLCE has social service wing which is used to channelize the social service activities of the faculty, staff and the students.
- It has adopted 5 nearby villages and conducts activities like medical camps etc. on a regular basis.





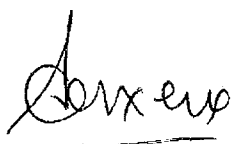
IV. The Committee scrutinized all the relevant documents such as lease deed, approved plans, corpus fund, trust deed etc. pertaining to conferment of Deemed to be University status and they satisfy the norms on presentation by the principal.

V **OBSERVATIONS OF THE COMMITTEE**

The Committee observed the following strength and weakness of the College for the consideration for conferment of Deemed to be University Status:-

STRENGTH

- The quality and quantity of infrastructure developed by the College for classrooms, laboratories, equipments, Computer centre, library, sports facilities, cultural facilities, hostels, transport are adequate and as per norms.
- Library is digitalized and consists of adequate number of books and journals.
- Computer centre is equipped with required number of latest systems and soft wares.
- The number of faculty are more than the required and the faculty student ratio of 1:12.87 is maintained. Every department has 3-4 Ph.Ds in the staff list. The faculty are qualified and experienced as per norms. They are highly motivated and their involvement in all developmental activities are much visible.
- The methodology adopted for teaching and learning process is good and it is reflected in the academic results of more than 90% every year.
- Soft skills and practical training provided to the students enable them to get 100% placement almost every year.
- Human resources in terms of faculty and students and the teaching learning process are at appreciable level which has made all the



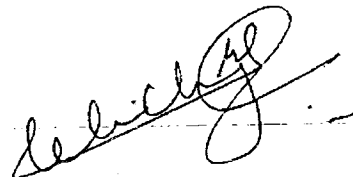
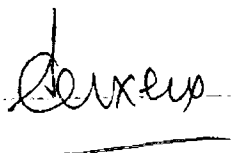


eligible programmes accredited for 5 / 3 years by NBA and NAAC accreditation in addition to ISO Certification.

- Due to academic freedom and incentive provided by the Management, the rate of retainability of faculty is high.
- The College has been conferred Autonomous status by the University / UGC based on their performance.
- Research and Development culture is very much visible and every department has secured 2-3 funded projects from AICTE, NSTL, DRDL, DEAL, ISRO and other agencies. Four departments have secured research centres status by Acharya Nagarjuna University, Guntur, Hyderabad. Number of publications and conferences organized are significant.
- Value added education is provided to the students through personality development programmes, NSS, Sports and the cultural activities and counseling and career guidance.
- Participation of Industries in curriculum development, Academic Council, Board of Studies and other committees has developed a strong industry Institute interface.
- Networking and internet facilities provided the students and staffs are adequate.
- The Management has strong financial potential and capacity to undertake application oriented programmes in Engineering Technology and Management.

WEAKNESS

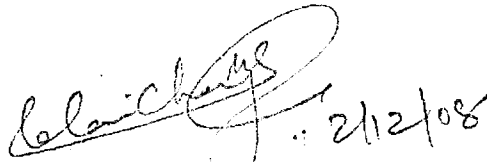
- Staff quarters are leased and the Management of the College is under the process of constructing 80 staff quarters within the College premises.



- The involvement of faculty in decision making and budgeting should be encouraged.

VI RECOMMENDATIONS OF THE COMMITTEE

Based on the above observations, the committee unanimously recommends conferment of Deemed to be University status to Koneru Lakshmaiah College of Engineering, Green Fields, Vaddeswaram P.O. Guntur, District Andhra Pradesh under Section 3 of the UGC Act, 1956.



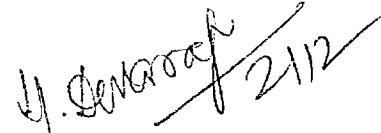
Dr. M.S. Palanichamy
Chairman



Prof. S.C. Saxena
Member



Prof. B.H. Shastri
Member



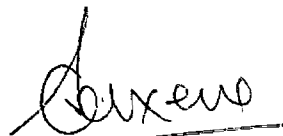
Dr. H. Deshraj
Member



Prof. Ashoke K. Dutta
Member



Shri A.K. Dogra
UGC Coordinator



Prof. S.C. Saxena
AICTE Nominee

Place : Vijayawada
Dated : 2nd December, 2008



अखिल भारतीय तकनीकी शिक्षा परिषद्
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
 (भारत सरकार का एक सांविधिक निकाय)
 (A STATUTORY BODY OF THE GOVT OF INDIA)

डा. के. नारायण राव
 एम.टेक., पी.एच.डी.
 सदस्य सचिव
Dr. K. Narayana Rao
 M.Tech, Ph.D
 Member Secretary

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F.No. 501-35/DU/AICTE/2008
 Date: December 5, 2008

APPENDIX – II TO ITEM NO.5.13

The Secretary
 University Grants Commission
 Bahadur Shah Zafar Marg
 New Delhi 110002

**Subject: On the spot assessment of Koneru Lakshmaiah College of Engineering,
 Guntur, A.P.**

Sir,

It has reference to the UGC's letter F.No.10-2/2007/ (CPP-1) dated 30 May 2008, 23 June 2008 and 17 November, 2008.

Kindly find enclosed herewith a copy of the report (Annexure-I) of the AICTE team for on the spot assessment of Koneru Lakshmaiah College of Engineering, Vaddeswaram, Guntur, A.P. The AICTE team has recommended as under:

"Based on the above facts, the Koneru Lakshmaiah College of Engineering fulfills the eligibility criteria in terms of objectives, programmes, infrastructural facilities, financial viability; the faculty and students are producing good research output in terms of quality and quantity in International and National journals; they have been recognized for their research potentials and awarded a number of sponsored research projects by different funding agencies; the institute has interface with the society through extra mural and extension and outreach activities; the faculty members are capable of enriching the university system as well as strengthening the teaching and research; they are competent to undertake application oriented programmes in emerging areas of Engineering, Technology and Management and the management is competent and committed. The committee therefore recommends the conferment of Deemed to be University status to Koneru Lakshmaiah College of engineering. This shall, however, be subject to the condition that the norms and standards as specified from time to time by the statutory bodies such as UGC and AICTE are maintained."

Following deficiencies have been pointed out by the expert committee as regard to the eligibility guidelines of the AICTE for grant of Deemed to be University status:

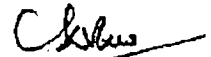
1. The requirement of offering Doctoral programmes in all major departments is not fulfilled.

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2. The requirement of accreditation of all the accreditable PG programmes by the NBA is not fulfilled
3. No Research Scholars have been registered for Ph.D. during last five years as against the AICTE requirement of 4 per department in all the departments.
4. The university has not awarded any Ph.D as against the AICTE requirement of 10 Ph.Ds during the last 5 years.
5. The requirement of guiding doctoral research by at least 5 faculty members per discipline/ department is not fulfilled.
6. The university does not fulfill the requirement of 25 programmes or 300 man-days regarding summer winter schools and/pr continuing education programmes in the last 5 years.
7. The requirement of generating income of Rs.15 lacs through consultancy during last five years is not fulfilled.
8. The requirement of at least 50% faculty having Ph.D. qualification is not fulfilled.

Koneru Lakshmaiah College of Engineering, Guntur may submit a compliance of above referred deficiencies to the UGC and a copy thereof may be forwarded to AICTE for record and necessary action.

Yours faithfully,



(K. Narayana Rao)