



**UNIVERSITY GRANTS COMMISSION  
NEW DELHI**

**REPORT OF THE UGC EXPERT COMMITTEE TO ASSESS THE  
PROPOSAL OF HINDUSTAN COLLEGE OF ENGINEERING FOR GRANT  
OF 'DEEMED TO BE UNIVERSITY STATUS' UNDER SECTION 3 OF THE  
UGC ACT, 1956.**

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The University Grants Commission received a proposal from the Ministry of Human Resource Development for consideration of the proposal of Hindustan College of Engineering, Old Mahabalipuram Road, IT Highway, Padur (Via) Kelambakkam, Kancheepuram (Tamil Nadu) for grant of 'Deemed to be University' status.

The Chairman, UGC constituted an Expert Committee consisting of the following members to visit Hindustan College of Engineering, Kancheepuram (Tamil Nadu) and to give its recommendations for conferment of 'Deemed to be University' status:-

1. Prof. P.B. Sharma  
former Vice-Chancellor,  
Rajiv Gandhi Technical University (MP)  
Principal  
Delhi College of Engineering  
Delhi - 110 042
2. Prof. S.P. Ojha  
Vice-Chancellor  
Ch. Charan Singh University  
Meerut
3. Prof. N.K. Gupta  
Henry Ford Chair  
Indian Institute of Technology  
Department of Applied Mechanics  
New Delhi - 110 016
4. Dr. A.K. Ghosh  
Professor  
Department of Aerospace Engineering  
Indian Institute of Technology  
Kanpur - 208 016

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5. Dr. Ebenezer Jeyakumar  
Principal  
Government College of Engineering  
Salem - 636 011

6. Prof. Rajesh Anand Member Secretary  
Joint Secretary  
University Grants Commission,  
New Delhi

The Committee visited Hindustan College of Engineering, Kancheepuram (Tamil Nadu) on 13<sup>th</sup> - 15<sup>th</sup> February, 2006 for on the spot assessment of the physical and academic infrastructure available with the institution.

The Committee was received & welcomed by the Chairman, Principal, Director, Joint Director and other senior faculty members.

### INTRODUCTION

The Hindustan College of Engineering, established in 1985 and run by Hindustan Engineering Training Centre, an Educational Society and is registered under the Societies Registration Act (XXI of 1860) vide No. 353 of 1968 dated 24<sup>th</sup> December, 1968. The certificate of Registration is annexed as Annexure-I. The Hindustan College of Engineering is affiliated to Anna University. Initially it was affiliated to Madras University. It is a Christian Minority Institution. The Tamil Nadu Government has approved the status of Christian Minority Institution. The College is certified as an ISO 9001 : 2000 Institution. The information provided by the College is briefly summarized below for ready reference.

### Aims and Objectives

- a) To provide every individual with a conducive environment suitable to achieve his/her career goals, with a strong emphasis on personality development, and to offer world class education in all spheres of Engineering, Applied Sciences and Management at undergraduate and postgraduate level leading to research, without compromising on the quality and code of ethics to each student of the College.

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b) The College is entering a new world order in technological research and development. It has built the state of the art infrastructure made more efficient by dedicated and experienced team of faculty. The faculty continually strive to update themselves to keep pace with the ever-changing technological scenario to help the young men and women studying in Institution to gain a sense of their own worth with proper direction to emerge in the work as competent personalities and recognition and fully aware of their responsibilities to the society and nation.

**A. Physical Infrastructure**

Hindustan College of Engineering has a total area of 111.00 Acres (built up area is near about 4,66,198 sq.ft. and rest of the area is under construction) and rest is meant for future development. The Hindustan College of Engineering has its own fully furnished air-conditioned Guest House, Boys and Girls Hostel, Canteen and fast food centre, Departmental Store, Nationalized Bank, campus clinic and modern auditorium with a seating capacity of 2000 equipped with public address system and LCD and project facilities. Apart from public transport, the college has 50 buses for staff and students.

**B. Equipments**

The Institute has equipments worth Rs.417.7 lakhs comprising of 16 Computers, 06 Printers alongwith One Scanner, One Multi-media Projector, Two Digital Cameras, One Video Camera, Three Zerox Machine and Three Fax Machine etc.

**C. Library**

The Library has a total collection of 54768 books at a total cost of Rs.2.00 Crores. It also subscribes 90 Indian and 79 Foreign Journals at a cost of Rs.30.00 lakhs. The total area of the library is around 852 square meters. It has large collection of Textbooks, Reference Books, books on General Interest, Standards and Specifications, Thesis, Back volumes of National and International periodicals and Current periodicals. It has automated with

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LIBSYS software for all activities of the libraries. A well-equipped Digital Library and the advanced facility like CD ROM search and browsing through INTERNET. It has an E-Classrooms with wireless Internet Connectivity. Campus connectivity 512 kbps RF connectivity is provided by the STPI, Chennai. It also has 2 Redundant ISDN line with 128 Kbps. A good number of Videocassettes on selected topics.

**D. Students**

The Institute has a total strength of 2423 students on its roll including \_\_\_ foreign students in various courses offered by the Institute.

**E. Computer Facilities**

The Institute has the following computer facilities :-

1.	IBM Mid Range AS 600	1
2.	Servers	15
3.	Computers	812
4.	Number of nodes under LAN	732
5.	Computer connected to Internet Laptops	585
6.	Laptops	50

**F. Academic Programmes**

The Hindustan College of Engineering offered the 10 undergraduate and 10 postgraduate courses with student sanctioned intake for the year (2004-2005). The UG Programmes are accredited by NBA-AICTE and also approved admission of foreign national :-

S.No.	Name of the Course	Present Sanctioned Intake (2004-05)
<b>UNDER GRADUATE</b>		
1.	B.E. Aeronautical Engineering	60
2.	B.E. Automobile Engineering	30
3.	B.E. Civil Engineering	30
4.	B.E. Computer Science & Engineering	90
5.	B.E. Electronics & Communication Engineering	90

6.	B.E. Electrical & Electronics Engineering	60
7.	B.E. Electronics & Instrumentation Engineering	60
8.	B.E. Mechanical Engineering	60
9.	Bachelor of Architecture (B.Arch)	40
10.	B.Tech Information Technology	90
<b>POST GRADUATE</b>		
1.	MBA (Full Time)	60
2.	MBA (Part Time)	40
3.	MCA	60
4.	M.E. (Applied Electronics)	25
5.	M.E. (Computer Aided Design)	25
6.	M.E. (Computer Science and Engineering)	25
7.	M.E. (Communication Systems)	18
8.	M.E. (Internal Combustion Engineering)	18
9.	M.E. (Refrigeration and Air-Conditioning)	18
10.	M.E. (Structural Engineering)	18

**G. Research Activities**

All the P.G. qualified teachers are engaged in research. Among the faculty 59 are with Ph.D. qualifications, who are continue with their research work and 27 are doing Ph.D. Research funding is around Rs. 60.00 lakhs.

**H. Publications**

The total number of publications in International Journals is 73 while the total number of publications in national journals is 87. The total numbers of papers presented in International Conferences are 94. The total number of books published is 45.

**I. Publication (2001-2005)**

The total publication numbers of in international journals are 15 while the total numbers of publications in national journals are 27. The total numbers of papers presented in International Conferences are 18 and the National Conferences sponsored by IIT/IISC/IIM/UNIV are 28. The papers published by the faculty in National Conference sponsored by other Institution are 42 and the total numbers of books published are 19.

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**J. Conferences/seminars**

The faculty of Hindustan College of Engineering attended the Seminars are 270. Similarly, the conferences attended by the faculty are 119 National and 12 International. The conferences conducted in the College are 10 National and one International.

**K. Hostel/Guest House Facilities**

The Institute has four Hostels for Boys and one Hostel for Girls to accommodate 873 students. The Institution has two Guest Houses. In addition to 40 air-conditioned rooms are also available in the campus.

**L. Teaching / Non-teaching Staff**

The Institute has sanctioned faculty strength of 1 Principal, 4 Dean, 31 Professors, 35 Assistant Professor, 17 Senior Lecturer, 187 Lecturer and 9 Visiting Faculty. The Institute has 100% Faculty Strength.

**M. Students Placement**

The College has got an good placement record and campus recruitment. In the year 2002, 54 students were placed and during 2003, 60 students were placed and during the year 2004, 38 students were placed in reputed industries.

In the year 2005, 119 students were placed through campus interview in the various reputed national and International companies like L & T Infotech, ALLFON System Pvt. Ltd., American Mega Trends, I-Flex, Satyam Computers, XANSA, ALLSEC Technologies, Infosys, HCL etc.

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**N. Innovative programmes**

The Institute has always encouraged to build up strong linkages with the industry in carrying out the prescribed research programmes for the financial semester students of graduate and postgraduate programmes. The students under the guidance of faculty choose the research projects. Close linkages are also established with Professional Associations. Students' Chapters of such professional associations are very active in all the departments in conducting seminars, symposiums and technical workshops.

Each final year students will act as a student advisor for first year to guide and counsel them.

Technical associations in all the departments conduct guest lectures by practicing engineers and by eminent research scholar/faculty from other institutions like I.I.T., Anna University, M.I.T. etc.

Training and induction programmes, quality improvement programmes are conducted for faculty with view to improve their communication skills and teaching methodologies.

Students are asked to prepare reports on relevant current topics on technology innovations and topics of interest like Government policies, global industrial scenario, economic policy etc.

At the outset, the College gave a powerpoint presentation before the Visiting Committee with regard to its salient features, achievements, physical infrastructure, academic achievements, research output and future plans.

The Committee then visited Hindustan College of Engineering, met the faculty members, students and the non-teaching staff. The observations of the Committee are given in the succeeding paragraphs.

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OBSERVATIONS OF THE COMMITTEE

The Expert Committee after visiting the Hindustan College of Engineering observed as under:

1. The infrastructure available at the Institute is sufficient in terms of academic and administrative activities which requires further development and strengthening for the status of Deemed to be University.
2. The projects in progress regarding the improvement of the infrastructural facilities, on completion, certainly shall enhance the academic and cultural significance of the Institute. However, the College needs further rapid development of infrastructure.
3. Academic activities and research projects being carried out are satisfactory within available facilities though they need more improvement in future. The Committee feels that faculty should be motivated to enhance the standard of research and contribute to publications in referred journals of repute. The College has been awarded TIFAC, FIST programme of the DST.
4. The Research activities of the College are gearing and needs more refinement. The publication work are in less and facility to augment Research & development activities. The total publication is 257 out of which 27 are in International Journal.

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5. The library is very good. It has a reasonably adequate number of Books, Manuscripts and sufficient collection of Journals. Some part of the Library is digitalized. A modern library is under construction.
6. Students from abroad ~~are~~ enroll the Institute and are getting good facilities of education. Institute has attracted foreign students to take admission. The college has undergone MoU with Bhutan Government for student enrolment. These will help in building strong cultural relations between India and their respective countries.
7. The future plan as observed by the Committee seems to be quite optimistic and encouraging.
8. The Institute has 260 faculty members and the present staff- student ratio is 1 : 9.8. Some of retired IIT Professors are on roll in the College. Most of the faculty are young. The Committee observes that the College should have some transparent policy of incentive to attract new talents.
9. The Committee has undergone a complaint made in the newspaper about some malpractice during examinations. The Anna University took steps and college was directed to reduce seat by 25% for the admission only for the academic year 2004-2005. The Management had dismissed the persons involved and looked into the matter very carefully.

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**RECOMMENDATIONS**

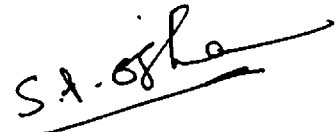
The Committee after assessing the physical and academic infrastructure of Hindustan College of Engineering, Kancheepuram (Tamil Nadu) recommends to the University Grants Commission for conferment of 'Deemed to be University' status. under Section 3 of the UGC Act. 1956 subject to compliance of the following:-

1. The Institute should go for strengthening of library by subscribing to e-Journals, joining AICTE-INDEST Programme to modernize the library for better teaching and research.
2. Laboratory which are currently available in the workshop should be upgraded to include modern measuring instruments and techniques.
3. The institute should go for separate modern Computer Centre properly network with its academic departments.
4. The Institute should develop a few classrooms/lecture theater equipped with ICT facilities.

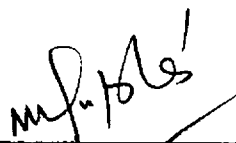
The Institute should submit the Compliance Report before UGC signs MoU for the deemed to be university status.



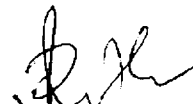
Prof. P.B. Sharma



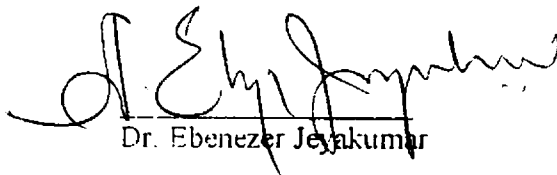
Prof. S.P. Ojha



Prof. N.K. Gupta



Dr. A.K. Ghosh



Dr. Ebenezer Jayakumar



Prof. Rajesh Anand  
Member Secretary

Place: Kancheepuram  
Dated : 15/02/2006

