



UNIVERSITY GRANTS COMMISSION  
NEW DELHI

**REPORT OF THE UGC EXPERT COMMITTEE TO ASSESS THE  
PROPOSAL OF LNM INSTITUTE OF INFORMATION TECHNOLOGY,  
JAIPUR 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 LNM Institute of Information Technology, Jaipur for grant of 'Deemed to be University' status.

The proposal was placed before the Screening Committee constituted by the Commission to screen such proposals. The Committee, however, did not recommend the visit of an expert committee. The UGC, as per directions of Ministry of Human Resource Development, constituted a review committee to review the rejected proposals. The proposal of LNM Institute of Information Technology, Jaipur was placed before the review committee. The recommendation of the review committee was placed before the Commission in its meeting held on 29<sup>th</sup> June, 2005. The Commission recommended as follow:-

*"The Commission further agreed that the Committee constituted by the Chairman, UGC be sent to L.N.M. Institute of Information Technology, Rajasthan for ascertaining both the academic and the physical viability of the institute."*

Accordingly, the Chairman,<sup>1</sup> UGC constituted an expert committee consisting of the following members to consider the proposal of the Institute.

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| 1 | Prof. D.P. Agarwal<br>Member, UPSC<br>Dhaulpur House,<br>Shahjahan Road,<br>New Delhi - 110 069 | Convenor |
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| 2 | Dr. Karmeshu<br>School of Computer and<br>Systems Sciences<br>Jawaharlal Nehru University<br>New Delhi                          | Member           |
| 3 | Dr. P.K. Dave<br>Former Director<br>AIIMS, New Delhi<br>A-8, Sector-26,<br>NOIDA – 201 301<br>Uttar Pradesh                     | Member           |
| 4 | Dr. Kiran Karnik<br>President<br>NASSCOM<br>International Youth Centre,<br>Teen Murti Marg, Chankyapuri,<br>New Delhi – 110 021 | Member           |
| 5 | Dr. Ashok Misra<br>Director, IIT Bombay<br>Mumbai – 400 076   | Member           |
| 6 | Dr. (Mrs.) Pankaj Mittal<br>Joint Secretary<br>UGC, New Delhi   | Member Secretary |

Dr. Kiran Karnik could not attend the meeting. However, he had sent a letter to the Chairman of the Committee giving his views about the Institute. A copy of the letter is annexed as **Annexure-I**.

The Committee visited the LNM Institute of Information Technology, Jaipur on 10<sup>th</sup> – 11<sup>th</sup> September, 2005 for on the spot assessment of the physical and academic infrastructure available with the institution.

The Committee was received and welcomed by Prof. Vishwanath Sinha, Director and other senior faculty members.

An interactive session was organized with Shri Anil Vaish, IAS, Chief Secretary, Government of Rajasthan, Shri Ram Lubhaya, IAS, Principal Secretary, Technical & Higher Education, Government of Rajasthan & Members of the Governing Council of the Institute, Shri N. Vaghul, Chairman,

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ICICI Bank Ltd. & Prof. Ashok Jhunjhunwala, IIT, Madras. Shri Anil Vaish, IAS briefed about the vision of the Government in creating this Institute as an Institute of Excellence. Shri N. Vaghul, Chairman, ICICI Bank Ltd. and a member of the Governing Council of the Institute also addressed the Committee and described the Council's vision of making the Institute a benchmark in its areas of activity. The Committee then proceeded to visit the Institute. A pragmatic vision of the Institute was presented to the Committee by Prof. Ashok Jhunjhunwala, a member of the Governing Council.

Dr. Vishwanath Sinha gave a presentation with regard to its salient features, physical infrastructure, academic achievements and future plans of the Institution.

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

## INTRODUCTION

LNM Institute of Information Technology, Jaipur was established in September, 2002 as a public private partnership model between the Government of Rajasthan and Lakshmi & Usha Mittal Foundation. The Institute is registered as a society under the Society's Registration Act. The Committee was informed that as per the MoA, the Government of Rajasthan is to contribute Rs.15.00 Crores to the Institute with equivalent and more sums to come from the LNM Foundation. As of date, the Government has already released Rs.14.50 Crores and the Foundation Rs.20.00 Crores. The LNM Foundation is committed to meet all the future expenses for the development of the Institute. With the Government's involvement and the LNM Foundation's commitments, the Institute has sound financial viability. The Government has allotted 100 acres of land to the Institute free of cost. It (Jaipur Development Authority) has also not charged any fee for the mandatory Building Plan Sanction Fee, treating the Institute as a Government project. Nor did the Government levy any fee for the use of Government buildings (in the beginning the Institute started functioning in a Government

building while the Campus was coming up). The Institute is presently running an undergraduate programme in Communication and Computer Engineering.

The Institution has the following as its aims and objectives:-

- a. to organize and provide knowledge and education in one or more aspects of Information Technology and related subjects in certain thrust areas;
- b. to award degrees, diplomas, certificates and other academic or professional distinctions to candidates;
- c. to undertake on its own and / or in collaboration with other educational and research institutions, research for promotion and development of Information Technology and related subjects and delineation of standards thereon;
- d. to become a Centre of Excellence in one or more aspects of Information Technology and related subjects, especially in identified thrust areas;
- e. to organize, hold and conduct short term programmes, continuing education programmes, professional development programmes, refresher courses, meetings, group discussions, lectures, speeches, workshops, research projects, seminars, conferences, study programmes, for the purpose of exchange and dissemination of information and knowledge in the areas of Information Technology and allied fields;
- f. to design and develop curricula, instructional resources, teaching aids, teaching materials, evaluation system, education technologies and learning resources centres;

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- g. to collect, analyze, collate, tabulate and circulate data, statistics, information etc. relating to or connected with any discipline of Information Technology and allied fields;
- h. to carryout research and development activities in the use of Information Technology and related subjects for development of Rajasthan;
- i. to offer consultancy and guidance to the state of Rajasthan, in particular and in general to others in Information Technology and related subjects;
- j. to become the primary institution which would set an example for the quality of education in Information Technology and related subjects for the educational institutions.

#### A. Physical Infrastructure

The LNM Institute of Information Technology, Jaipur is located in an area of 100 acres. The details of various buildings which have already been constructed are given below:-

1	Main academic area including laboratories	5834 sq. mt.
2	Library	475 sq. mt.
3	Hostel	6774 sq. mt.
4	Mess & Dining Area	766 sq. mt.
5	Guest House	1564 sq. mt.
6	Director's Residence	241 sq. mt.
7	Faculty Residences	1612 sq. mt.

The Institute has provision for extension of Library, two more hostels, gymnasium and sports complex, auditorium, open air

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theatre, shopping complex, additional faculty residences etc. Phased construction is being planned to augment the physical resources.

## B. Equipments

### 1 Computer Resources

The Institute has created three Computer Laboratories consisting of 5 servers, 182 nodes and relevant software. Each faculty has been provided with a Desk Top computer with Internet facility and a printer. The hostels, guesthouse, faculty residences have also been provided with network connection.

### 2 Electronics Laboratory

At present two Electronics Laboratories are functional for the first and second year students. The following equipments have been procured for the laboratories:-

1	Cathode Ray Oscilloscope	36 nos.
2	AM/FM Function-Pulse Generator 2 MHz	16 nos.
3	Function Generator (Sine/Square/Triangular wave generator)	15 nos.
4	Function Sweep Generator (Sine / Square/Triangular wave generator)	2 nos.
5	LCRQ Bridge	1 no.
6	20 MHz Oscilloscope Demonstrator Trainer	1 no.

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### 3 Physics Teaching Laboratory

A Physics Laboratory has been set up to impart experimental skills to the students in Physics. The following equipments are installed:-

1	Balance LGN 310, on rod	04
2	Gauss meter	08
3	Gyroscope	04
4	Helmholtz Coils, 400 mm dia	04
5	Hall effect set-up; Model :DHE-22	01
6	Induction Experiment set-up	01
7	Laser He-Ne; 2.0 mw	04
8	Spectrometer	04
9	Wave driver with amplifier	04
10	Stroboscope	02
11	Helmoltz Coil set up	04
12	Oscilloscopes	03

### C. Library

The Institute at present has an air-conditioned library spread over 475 Sqm. and is provided with computers linked to the Institute's intranet and the Internet.

The library is well equipped with books of well known authors and standard publications.

Presently (in its first year of operation) the Library has more than 3,000 books and text books on Mathematics, Physics, English,

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Electrical Engineering, Electronics Engineering, Computer Science and Engineering, Communication Engineering and various subjects and subscribes to about ten journals.

#### **D. Programmes and Activities**

Since the year 2003-04, the LNM IIT is offering undergraduate programmes of 4 years duration on "Communication and Computer Engineering" with an annual intake of 30 students. The students are admitted through AIEEE. The institute plans to launch following new programmes in future.

- i. PG Diploma programme on Information Technology (with specialization in software technologies and IT applications) of two semester duration.
- ii. M.S. by Research.
- iii. M. Tech. programmes on "Communication and Computer Engineering".
- iv. Research programmes leading to Ph.D.; in the areas of mobile communication, computer networking and applied mathematical and physical sciences.

#### **E. Faculty**

The teaching and research activities at the LNM IIT are conducted by a faculty of 20 teachers consisting of the following categories.

- i. LNM IIT core faculty (11) consisting of 6 Professors, 1 Associate Professor, 1 Assistant Professor & 3 Lecturers.

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- ii. Adjunct faculty from corporate schools and research centres.
- iii. Guest faculty / visiting faculty (9) consisting of 8 Professors & 1 Associate Professor.

The Institute has been successfully attracting very well qualified and experienced faculty from reputed institutions, particularly from IIT, Kanpur. The faculty seems to be motivated and committed. The Committee was impressed with the faculty profile. The Committee was happy to see that two eminent faculty members from Israel and Canada were with the Institute spending their sabbatical and were also participating in teaching and research.

#### **F. Innovative Programmes proposed to be introduced**

The LNM IIT is planning a number of innovative approaches in pedagogy, research and in nurturing entrepreneurship, in its relationship with the industry. The faculty was informed of creating a consortium of institutions including LNM Institute of Information Technology, IIT, Madras and Dhiru Bhai Ambani Institute, Ahmedabad with the support of NASSCOM to develop finishing school.

The LNM IIT wishes to introduce a postgraduate diploma programme in Computer Software Applications to train the engineering graduates for the Indian software industry. The programme is going to be intensive as well as exhaustive, built atop the undergraduate engineering curricula. It will focus on industry-intensive IT requirements. The Government of Rajasthan is intending to establish a software incubation park in the vicinity of the Institute with its active support. The entrepreneurs at the park will benefit from the intellectual

*[Handwritten signature]*

potential that exist in faculty and provide training and research opportunities to the students.

While the Institute has started functioning by launching its academic programme at the undergraduate level, the desire is to vigorously pursue postgraduate programmes. The Institute desires to focus on research and development activities in some of the key areas of Information Technology, Mobile communication, computer networking including Wi-Fi networking, Embedded system tools and applications, technology diffusion and mathematical modeling of bio-and-ecological system.

**G. NOC from the State Government**

The Institution had obtained NOC from the State Government of Rajasthan at the time of its establishment (copy enclosed as **Annexure-II**).

**H. Approval of the concerned Statutory Council**

No approval from the statutory professional council, i.e. All India Council for Technical Education (AICTE) has been taken.

**OBSERVATIONS OF THE COMMITTEE**

The LNM Institute of Information Technology has created high quality infrastructure and state-of-art laboratories even in a very short span of its existence of two years. The 4-year undergraduate programme currently offered by the Institute is innovative and unique in the sense that it amalgamates Electrical Engineering, Computer Engineering and IT to achieve a thorough blending of skills required in the current and emerging scenario. The Committee appreciates that while there is dearth of qualified and trained faculty in these areas, the Institute has been able to attract the dedicated and committed faculty who is very competent in its areas of expertise from