

UNIVERSITY GRANTS COMMISSION
NEW DELHI

**REPORT OF THE EXPERT COMMITTEE CONSTITUTED TO EXAMINE
THE PROPOSAL OF JAYPEE INSTITUTION OF INFORMATION AND
TECHNOLOGY, NOIDA FOR GRANT OF DEEMED TO BE UNIVERSITY
STATUS UNDER SECTION 3 OF THE UGC ACT, 1956.**

The Chairman, UGC constituted a committee comprising of the following members to examine the proposal of Jaypee Institute of Information and Technology, Noida for grant of Deemed to be University status under Section 3 of the UGC, 1956.

1. Dr. P.B. Sharma Convenor
Principal
Delhi College of Engineering,
Bawana Road, Delhi
2. Prof. R.K. Saxena Member
Head,
Department of Microbiology,
University of Delhi,
South Campus, Benito Juaraz Road,
New Delhi - 110 021
3. Mr. Gulshan Rai Member
Director
ERNET,
Electronics Niketan,
6, CGO Complex, Lodhi Estate,
New Delhi - 110 003
4. Prof. S. Sadagopan Member
Director
Indian Institute of Information Technology
26/C, Electronic City,
Opp. Infosys Technologies Ltd.,
Hosur Road,
Bangalore - 560 100
5. Dr. (Mrs.) Pankaj Mittal Member Secretary
Joint Secretary
University Grants Commission,
New Delhi

The committee visited the institute on 25th August, 2004. All the members but for Prof. S. Sadagopan, Director, IIIT, Bangalore visited, the IIIT on the above said date.

1. Introduction

The committee visited the institute for an on the spot assessment of infrastructural facilities and academic programmes of the institute. Mr. Manoj Gaur, Trustee, Jaypee Sewa Sansthan, Dr. Y. Mudury, Vice Chancellor, Jaypee University of Information and Technology, Solan (HP) and Shri S.K. Kak, Director, Director Jaypee Institute of Information and Technology, Noida and other experts from the JIIT welcomed the Committee. In their presentation before the committee, the JIIT highlighted the ongoing academic programmes and future plans of the institute.

The committee also had interaction with Shri Jai Prakash Gaur, Chairman, JIIT Society & Managing Trustee Jaypee Sewa Sansthan regarding the future vision of the institute and the efforts required to make it a world class institute.

The committee visited the institute and saw the physical and infrastructural facilities including administrative block, academic block, library, laboratories, classrooms, hostels, residential quarters and other infrastructural facilities and student's amenities. The committee met the faculty members and students to get the feed back about the institute.

After carefully inspecting the physical and academic infrastructure, perusing through the documents furnished by the institute, discussions with the various categories of staff and students, the committee made the following observations:-

2. Observations of the Committee

(a) Establishment, aims and objectives

The JIIT is located in Sector 62, Noida on a campus of 15 acres of land. The institute was established in the year 2001-2002 with the following aims and objectives:-

- To offer instruction in Information Technology and related fields at a level comparable to the best.
- To anticipate the futuristic technological needs for IT and to plan and cater to them.
- To provide excellent facilities for graduate and post-graduate studies and research.
- To develop programmes for faculty development.
- To provide leadership in curriculum planning and laboratory development.

- To develop close collaboration with industry through exchange of personnel and undertaking consultancy projects.
- To develop collaborative links with other academic and research institutes.
- To develop Continuing Education Programmes.
- To cater to the development of a culture of excellence and sustainability.

The institute is registered under Societies Registration Act as the "Jaypee Institute of Information Technology Society".

(b) Courses offered

The courses offered by JIIT along with the intake capacity and number of students actually admitted in the last three years, duration of course and fee is given below:-

| S.No. | Name of the Course | Intake Capacity | No. of students actually admitted | Duration (Year) | Fee |
|-----------------|-------------------------------------|-------------------------|-----------------------------------|------------------|---|
| A. | Year 2001-2002 Undergraduate | 250 | 94 53 78 | 4 4 4 | Tuition Fee Rs.40000 p.a. |
| | 1. B.Tech(E&CE) | | | | |
| | 2. B.Tech(CSE) | | | | |
| | 3. B.Tech(IT) | | | | |
| B. | Year 2002-2003 Undergraduate | 180 180 75 105 | 148 135 75 103 | 4 4 4 4 | Tuition Fee Rs.50000 p.a. IDF of Rs.25000 p.a. |
| | 1. B.Tech(E&CE) | | | | |
| | 2. B.Tech(CSE) | | | | |
| | 3. B.Tech(IT) | | | | |
| | 4. B.Tech.(Bio-technology) | | | | |
| | Postgraduate | 20 30 | 11 17 | 2 3 | |
| 1. M.Tech (ICT) | | | | | |
| 2. MCA | | | | Rs.60000 p.a. | |
| C. | Year 2003-2004 Undergraduate | 180 180 90 90 | 170 174 81 81 | 4 4 4 4 | Tuition Fee Rs.50000 p.a. IDF of Rs.25000 p.a. |
| | 1. B.Tech(E&CE) | | | | |
| | 2. B.Tech(CSE) | | | | |
| | 3. B.Tech(IT) | | | | |
| | 4. B.Tech.(Bio-technology) | | | | |

| Postgraduate | | | | | |
|---------------------|----|----|---|--|------------------|
| 1. M.Tech (ICT) | 20 | 3 | 2 | | Rs.60000 p.a. |
| 2. MCA | 30 | 17 | 3 | | |
| 3. M.Tech (E.Tech.) | 20 | 8 | 2 | | |

The above courses have been specified by the UGC. The All India Council for Technical Education (AICTE) committee had visited the institute on 20th August, 2004 for approval of its academic programmes. The decision of the AICTE is awaited.

(c) The Faculty

The JIIT has a total teaching faculty of 82 teachers. Apart from this, 28 non-teaching staff members have been appointed by JIIT. The department-wise faculty strength is given below:-

| Department | Professor | Assistant Professor | Lecturer | Total |
|----------------------|-----------|---------------------|-----------|-----------|
| Bio-Technology | 1 | 2 | 7 | 10 |
| Computer Science /IT | 3 | 4 | 20 | 27 |
| Elect & Commn. | 4 | 8 | 12 | 24 |
| Prof. Development | 0 | 2 | 6 | 8 |
| Mathematics | 1 | 3 | 3 | 7 |
| Physics | 2 | 1 | 3 | 6 |
| Total | 11 | 20 | 51 | 82 |

Apart from the above faculty in position, offers have been sent to 2 Assistant Professors and 14 Lecturers.

In addition to above, the JIIT makes use of 15 visiting faculty in the fields of Computer science, Bio-Technology, Professional Development and Electronics and Communications.

(d) Infrastructure and Building Space

The institute is spread over a 15 acres plot in Noida with plinth area of 154620.92 sq. ft. and covered area of 498582.50 sq. ft. The institute has excellent physical infrastructure with well-maintained buildings and laboratories. The details of the building along with plinth area and covered area is given below:-

| Name of the Building | Ownership | Plinth Area (Sq.ft) | Covered Area (Sq.ft) | Cost/Est. Cost (Rs. Lacs) |
|-----------------------------------|-----------|---------------------|----------------------|---------------------------|
| TOTAL | | 154620.92 | 498582.50 | 2818.80 |
| ADMIN & ACADEMIC BLOCK | Society | | | |
| Phase I | | 11237.21 | 55897.21 | 363.64 |
| Phase II | | 5792.66 | 28927.27 | 188.19 |

| | | | | |
|--|---------|---|--|--|
| Phase III | | 6012.21 | 28789.35 | 187.29 |
| <u>LIBRARY BLOCK</u> | Society | 10534.32 | 31070.93 | 202.13 |
| <u>HOSTEL BLOCK</u> Block H1 Block H2 Block H3 Block H4 Block H5 | Society | 12580.79 6647.53 12677.32 12677.32 12677.32 | 44836.01 22951.72 44961.92 44961.92 44961.92 | 229.18 117.32 229.82 229.82 229.82 |
| <u>DIRECTOR RESIDENCE</u> | Society | 9493.54 | 6628.30 | 33.88 |
| <u>FACULTY BLOCK</u> R2 Block R3 Block | Society | 9493.54 9404.13 | 34804.73 33438.98 | 177.91 170.92 |
| <u>ANNAPURNA</u> | Society | 22811.85 | 49217.98 | 320.19 |
| <u>ELECTRICAL SUB STATION</u> | Society | 999.19 | 4857.58 | 24.83 |
| <u>ESS EXTN.</u> | Society | 5865.76 | 5865.76 | 29.98 |
| <u>GATES</u> Gate No 1 Gate No 2 Gate No 3 | J.S.S. | 673.67 492.36 1004.52 | 673.67 492.36 1004.52 | 3.44 2.52 5.13 |
| <u>WORKERS HOUSING</u> | Society | 3545.69 | 14240.37 | 72.79 |
| <u>TOTAL</u> | | 154620.92 | 498582.50 | 2818.80 |

The physical infrastructure of the institution is good wherein, lecture theaters are equipped with the state of art ICT devices, library is equipped with electronic journals and laboratories are very well equipped with state of art equipment and experimental system. The entire academic complex is centrally air-conditioned including the classrooms and lecture theaters and the level of maintenance also commensurates with the quality of infrastructure.

(e) **Library**

The JIIT has a well stacked library adequately equipped with computers and other audio visual aids. The library has 9259 books (3877 titles) costing about Rs.50.00 lakhs. The committee noticed that the JIIT subscribes to 19 print journals, 450 online journals and Engineering village II Bibliographic services. However, the committee desired that the textbooks of direct utility of the students should be procured more in number so that the library can issue 4 books to every student.

(f) **Laboratories**

The laboratories of JIIT are meticulously planned and well equipped to cater to the needs of the teaching departments. The institute informed the committee that an amount of Rs.6.00 crores has been spent on the equipments in the laboratories of Biotechnology, Electronics, Computer and Physics. However, the laboratories of biotechnology and microbiology need to be further strengthened, since the institute is having a major focus on biotechnology.

(g) **Innovative Programmes**

At present JIIT is concentrating in education, training and research in the field of information and communication technology, Biotechnology and other IT enable services. The institute is making attempts to promote excellence in developing knowledge skills and attitudes in students as well as commitments to values in faculty of staff. The institute has appointed supervisory board of eminent educationists, which is visited by internationally acclaimed professionals. The JIIT is also running faculty development programmes, which are conducted once every year with emphasis on course preparation, lecture, tutorial, laboratory delivery, assessment and obtaining feedback.

(h) **Research and Publication**

The institute currently has senior level faculty, which has high experience of research and development in the areas such as VLSI design and embodied system, Biotechnology and computer network analysis etc. Many of the senior faculty members presently heading the academic departments have worked in institutions of national importance such as IITs and IISc, Bangalore. The research publications of these senior members are highly significant. The faculty members at JIIT have published work in journals of high repute such as computer communications (Elsevier Science), journal of Physics, physics letter and international journal of engineering and science.

Many of the students of the institute have also ventured into research in UG level and have brought out research papers which have received national recognition at the conference organized by institutions of repute like IIT, Roorkee and IIT, Mumbai. One of the students went to Sydney to make his presentation in the international conference. This way the vibrant culture and research was visible in the institute both in the faculty as well as in the students.

(i) Research projects undertaken by the faculty

The faculty members of the institute have undertaken projects in partnership with major industries such as S & T Micro Electronic, SC Complex Ltd. & Biraj Logic.

(j) Consultancy Projects

The faculty of the students is embarking on major consultancy, which includes a mission such as India Chip Development Programme in partnership with the international and other leading educational institution. The institute faculty is also giving a consultancy to Ranbaxy in collaboration with National Institute of Immunology. A number of projects are being pursued at UG and especially in area of environmental biotechnology and communication systems.

(k) Interaction with the faculty and students

The Committee interacted with the faculty members of the institute separately in a group and also in classrooms and laboratories. It was observed that the faculty was highly satisfied with the academic environment, pay and perks being offered to them and also with the system of governance and management of the institute. Some of the faculty members did mention that they would like to have research scholars so that Ph.D. level guidance would become more feasible in the academic department. Currently 11 candidates are registered in the institute for their Ph.D. degree.

The committee also interacted with the students in the classrooms and laboratories and also separately in a group. The students were apparently highly satisfied and expressed their happiness on the proposal of JIIT becoming a Deemed to be University. The students hostel both for the boys and girls are on the campus and have a capacity of accommodating approx. 580 boys and 350 girls. The hostel facilities are apparently of high standards. The hostel rooms are equipped with internet facility in every room and the hostels are well maintained.

MAJOR OBSERVATIONS:-


1. The JIIT has been established by the Jaypee Group of Industries with a promise for educational excellence. The development of the institute during the last three years exhibits the commitments of the promise towards building up a centre of excellence in Engineering and Technology and Education and Research.
2. The quality of infrastructure and educational services at JIIT are of high quality, commensurate with modern day requirements and education deliveries. The state of art classrooms, well-equipped qualified faculty and use of ICT in education are some of the important features of the institute.
3. In the area of information and technology, the institute has well equipped faculty, some of them have long experience of working in the education institutes. The laboratory facilities are also well developed to cater to quality education and research at UG, PG and doctoral levels.
4. The institute needs to upgrade itself in the frontier areas of Bio-Technology such as designing, drugs, bio-molecules, production and application, stem cells etc. The students should be made aware of these processes. Fermentation technology needs to be made an integral part of the Bio-Technology Department. However, the present academic and laboratory infrastructure is supportive of its growth. The existing PG components in the above areas need to be improved.
5. The growth plan of the institute as reported to the committee during its visit indicates proposed Masters and Doctoral level programmes in frontal areas of science and technology, such as Bio-Informatics, Theoretical Computer Science, Network security, Bio-Communication Devices and Nano-technology. In Bio-Technology area, the institute is planning for masters and doctoral programmes in the area of Bio-Informatics, Genetic Re-engineering, Immunology and Neural Communication. The future growth as planned is thus in the direction of building PG and research capabilities in the area of relevance.
6. The JIIT society is currently meeting its social obligations by participating in establishment of good quality education centers in rural areas. The committee is of the view that the institute can also establish scholarships / freeships for the needy and rewards and recognition for the meritorious students and faculties.
7. The institute has written to Noida Development Authority for transfer of land to JIIT Society from Jaiprakash Sewa Sansthan. The Approval of the Noida Development Authority is awaited.
8. As per the requirements of the UGC guidelines of Deemed to be Universities, the UGC has written to the State Government of Uttar Pradesh seeking its views on the proposal of Jaypee Institute of

Information and Technology for Deemed to be University. The views of the State Government of Uttar Pradesh are awaited.

9. The UGC has also written to AICTE regarding approval of the academic programmes run by JIIT. It was learnt that the AICTE Committee has visited the JIIT last week and its recommendations are awaited.

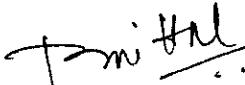
RECOMMENDATIONS:-

The Committee having examined the facilities, quality and infrastructure, faculty and the quality of academic services of the institute recommends that the Deemed to be University Status be accorded to Jaypee Institute of Information and Technology, Noida, subject to establishment of the corpus of Rs.5.00 crores as stipulated by UGC.


Prof. P.B. Sharma
Convenor
25/8/04


Prof. R.K. Saxena
Member


Dr. Gulshan Rai
Member


Dr. (Mrs.) Pankaj Mittal
Member Secretary