

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)

डॉ दिनेश

सलाहकार-II

(गुणवत्ता आश्वासन ब्यूरो)

Dr. Dinesh

ADVISER-II

(Quality Assurance Bureau)

राष्ट्रीय प्रत्यायन मंडल (रा.प्र.मं.)

NATIONAL BOARD OF ACCREDITATION (NBA)

(constituted under clause 10(U) of AICTE Act, 1987)

(अमातरिप अधिनियम 1987 की धारा 10 (प) के अधीन गठित)

F.No. NBA/ACCR-1101/04

March 16, 2009

To

The Principal / Director
Amritsar College of Engineering & Technology,
12 Km. Stone,
Amritsar Jalandhar, G.T. Road,
Amritsar - 143 001 (Punjab)

Sub: NBA Decision on Accreditation Status of Programmes offered by your Institution.

Dear Sir,

With reference to your application for accreditation of the following programme(s) and the Expert Committee visit to your institution, the report of the visiting team was considered by the Engineering Accreditation Committee and subsequently by the National Board of Accreditation in its meeting held on 10.02.2009. Based on the recommendations of the Board, I am pleased to communicate the Accreditation Status of the following programme (s) of your Institution.

Sl.No.	Name of UG Programme(s)	Accreditation Status	Period of validity w.e.f. 10.02.2009
1.	Electronics & Communication Engg.	Accredited	3 years
2.	Mechanical Engg.	Accredited	3 years
3.	Computer Science & Engg.	Accredited	3 years
4.	Information Technology	Accredited	3 years

(Total number of programmes Accredited vide this letter - Four).

The Accreditation status awarded to the above programmes of your institution does not imply accreditation to the College / Institution as a whole. Complete name of the Programme(s) Accredited and its period of validity, as well as the date from which the award is effective, should be quoted unambiguously whenever it is used. The accreditation status of the above programmes is subject to periodic review by the NBA Secretariat and will be changed if major deficiencies are identified on surveillance. You are also requested to comply with the mandatory disclosure of pertinent information as per the proforma placed in the AICTE website with respect to accredited programmes of your institution. The same information should also appear in the website and information bulletin of your institution clearly indicating the date of publication of the same.

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NBA ACCREDITATION VISIT TO THE
AMRITSAR COLLEGE OF ENGINEERING &
TECHNOLOGY, AMRITSAR

REPORT OF THE CHAIRMAN

THE ACCREDITATION TEAM

The status awarded to the above programmes of your college / Institution is on the presumption that the programmes would maintain the current standards in future. If there are any changes that would effectively alter the status (such as, major changes in faculty strength or changes in the organizational structure, etc.), the same shall be communicated to the undersigned, with an appropriate explanatory note. A comprehensive report submitted by the Chairman of the expert committee who visited your institution and the distribution of marks/points awarded for each programme against the accreditation parameters are enclosed for further necessary action at your end to overcome the shortcomings observed in each programme. If you are not satisfied with the decision of the Board, you may forward your appeal application with requisite fee within thirty days of receipt of this communication.

Let me also take this opportunity to congratulate all those who have contributed to the quality enhancement of programmes that secured accreditation by NBA.

With best wishes,

Yours truly,

(Dr. Dinesh)

C.C :

1. **The Vice Chancellor
Punjab Technology University
Ladowali Road,
Jalandhar, Punjab 144002**
2. **The Secretary
Department of Technical Education,
Govt. of Punjab,
Mini Secretariat, Sector-9,
Chandigarh - 160036**
2. **The NWRO,
All India Council for Technical Education (AICTE),
North-Western Regional Office,
Plot No. 1310, Sector 42-B,
Chandigarh-160036**
3. **Accreditation File**
4. **Guard File**

(Dr. Dinesh)

members and the Chairman of Board of Governors, the Managing Director and the Principal of the College, the following schedule of visit was finalized:

November 28, 2008

- 09.00 to 09.30 AM Preliminary discussion among team members
- 10.15 to 11.30 AM Presentation by the Principal
- 11.30 to 12.30 PM Visit to the Computer Centre and Central Library
- 12.30 to 01.30 PM Visit to academic departments by the experts
- 02.00 to 04.00 PM Inspection of documents by the Chairman and discussion with the Chairman of Board of Governors, Managing Director, Principal, Administrative Officer, Finance Officer, Librarian and Placement Officer
- 07.30 to 08.30 PM Meeting with team members

November 29, 2008

- 10.00 to 12.00 Noon Visit to Central Workshop, Physics and Chemistry laboratories, Language laboratory, Certification Laboratories, Placement office, Hostels, Seminar and e-class Rooms, Games & Sports facilities, Gymnasiums, Canteen, Medical Centre, Bank, Shops, Transport Unit, Power support facility, Administrative Offices, etc.
- 12.00 to 01.00 PM Meeting with students
- 02.00 to 03.00 PM Meeting with faculty members
- 03.00 to 03.30 PM Meeting with supporting staff
- 03.30 to 04.30 PM Meeting with alumni and parents
- 04.30 to 06.30 PM Preparation of evaluation report

November 30, 2008

- 09.30 to 10.00 AM Meeting with team members to finalize the evaluation reports
- 10.00 to 11.30 AM Final meeting with the Chairman and Members of Board of Governors, Managing Director, Principal, Heads of department, Librarian and Placement Officer

THE COLLEGE

The Amritsar College of Engineering & Technology, Amritsar was established in 2002 by the Amritsar International Trust. The Trust runs eight institutions, including two engineering colleges. The College originally had undergraduate programmes in Electronics & Communication Engineering, Mechanical Engineering, Computer Science & Engineering and Information Technology with total intake of 390. The College now has five undergraduate engineering programmes, namely Electrical & Electronics Engineering, Electronics & Communication Engineering, Mechanical Engineering, Computer Science and Engineering, and Information Technology and three postgraduate programmes – MBA, MCA and M.Tech. (Electronics & Communication Engineering). The College is affiliated to the Punjab Technical University, Jalandhar.

The College has a Board of Governors headed the Chairman of the Trust. Dr. R. Arora, the Principal of the College is the Secretary. The constitution of BOG is as per AICTE guidelines. The management provides full freedom to the Principal of the College for running the academic activities and makes funds readily available for development.

The College campus has more than 10 acres of land and a built-up area of 24,800 sq m. An additional 8000 sq m is under construction.

The sanctioned intake for the undergraduate programmes is 420 and for MBA, MCA and M.Tech. programmes is 138. All admissions are as per norms prescribed by PTU, Jalandhar and the State Government. The College has been able to fill almost all the seats.

The students have been performing reasonably well in the university examinations. More than 75% students are able to clear their programme in four years. The College has tuition waiver (full or half), prizes and awards for needy students and those who secure rank in the university examinations, and games and cultural activities. The students are disciplined lot and do not indulge in any kind of ragging.

The College has been organizing games and cultural programmes on regular basis. The students have won several prizes in the competitions. Academic departments have student chapters of professional societies such as ISTE, IEEE and CSI and departmental clubs such as Electronics Club (ECE), Techners Club (ME), Pratibha Club (PG) and Techno Titans Club (CSE). The students are also active in NSS and hobby clubs.

The total faculty strength of the College is 139. At present 14 faculty members are Professors, 24 are Assistant Professor and 101 are Lecturers. Twelve faculty members have Ph.D. and 25 have M.Tech. Six faculty members are presently pursuing Ph.D. and 10 are working for M.Tech. Faculty members get AICTE pay scales plus DA, HRA and free transport. Faculty members are encouraged to go for higher studies and all expenses are covered when they attend conferences and short-term courses. Faculty members get special increments after completing M.Tech. and Ph.D. degrees. Number of papers published by faculty members exceeds 200 (97 National and 115 International) but most of these are by senior faculty members before they joined the College. The younger faculty members have

published about 20 papers. They have handled a few small consultancy projects. Based on the sanctioned student strength, the overall faculty to student ratio is around 1:13.5.

The College has a total of 135 supporting staff, including technical, administrative, library and transport staff and Laboratory Attendants. Fifty eight of them are technical staff members allocated to the academic departments, Computer Centre and Library. A few technical staff members have attended skill up-gradation programmes. One of them has completed an engineering degree.

The College Library has more than 26,000 books (about 3500 titles) and has sitting area which can accommodate around 120 students. It subscribes to 13 International journals and 43 National journals. Its digital section has 84 DVDs and 6 PCs. The Library automation and bar-coding is in the process of being implemented. The library is open from 9.00 AM to 5.00 PM on week-days.

The College has 562 computers (all P IV) in the basic computing, general computing, departmental laboratories and administrative offices. The College has also acquired substantial number of software packages to meet their requirements. Internet connections are available on about 150 computers with 4 Mbps Bandwidth. Computing facilities are available from 9.00 AM to 7.00 PM. The College has a very good Communication Skills laboratory with 37 computers and good software. It has three Certification laboratories developed in collaboration with Oracle, CISCO and Sun. More than 100 students are certified each year through these laboratories.

The College has two hostels, one for the boys and one for the girls. These hostels can accommodate 174 boys and 84 girls. All rooms have attached bathrooms with geysers and all rooms are air cooled. Both hostels have internet facilities and gymnasium. The College has playground facilities for cricket, volleyball, basketball and badminton. For tournaments and other competitions the College uses a nearby stadium on yearly lease basis. It has seminar rooms with well-equipped audio-visual gadgets and e-class rooms. The College also has Principal's quarter and 8 flats for faculty on campus.

The College has a very good canteen which can accommodate about 150 persons, STD phones, Bank with ATM, Photo-coping facilities, Courier services counter, Stationary shop, etc. For back-up power, the College has two diesel generators providing a total of 525 KVA. The Medical Centre has a qualified doctor on duty for two hours during day time. The College has a fleet of 24 buses which cover all parts of the city to bring the faculty, staff and students to the campus.

The College has a very active placement office which arranges for on-campus interviews and also conducts programmes for developing communication skills of the students. They make use the language laboratory available for the purpose. More than 75% of the graduating students have been placed each year through the placement office. Close to 20 students each year succeed in getting admission to PG courses by clearing GRE, GATE, GMAT and CAT examinations. The College has an Alumni Association which organizes two get-togethers each year.

STRENGTHS AND WEAKNESSES

After looking at all the activities and facilities available at the College, its strengths and weaknesses are summarized below:

Strengths

- The College has adequate land and built-up area.
- The campus is clean and green and well-maintained
- The College has good computing facilities with over 550 computers with internet connections through 4 Mbps line.
- The College has a very good language laboratory.
- The departmental laboratories are well-equipped and well maintained.
- The Library has more than 26,000 books in Central and departmental libraries.
- The College has been able to fill almost all its seats.
- The students are a disciplined lot and do not indulge in any kind of ragging.
- The students have been performing reasonably well in the university examinations with more than 75% completing the programme in four years.
- The faculty members are dedicated, sincere and co-operative.
- Supporting staff members are also disciplined and co-operative.
- All faculty members get AICTE pay scales, DA, HRA and free transport.
- Faculty-students ratio is good.
- It has excellent transport facilities with a fleet of 24 buses.
- It has a very good canteen.
- Power back-up facility is good.
- The Management is very co-operative and supportive and makes funds readily available for developing infrastructure and academic facilities. It does not interfere in running the curricular and extra-curricular activities.
- The College is financially sound.
- The Placement office is very active and has been able to place more than 75% students each year through on-campus interviews. It also provides assistance in GRE, GATE, CAT and GMAT preparations. About 20 students join PG courses each year by clearing these examinations.

Weaknesses

- Cadre ratio of faculty needs further improvement. The College should make all possible effort to recruit younger faculty members as Assistant Professors and Professors.
- The College still has a substantial number of engineering faculty members without postgraduate qualifications. These faculty members should be encouraged to acquire PG qualifications soon.
- Faculty offices are not satisfactory. All faculty members should be provided independent offices with internet facility in each office.

- The Library should acquire additional books from reputed publishers. Additional e-journals and technical magazines should be subscribed.
- Library automation with bar-coding should be implemented immediately.
- Internet operation needs improvement with internet facility available on all computers.
- Library and computing facilities should be available to faculty and students outside the working hours as well as on Sundays and holidays.
- Playground facilities need considerable improvement.
- Presently decentralization of power is only marginal. Substantial decentralization is required. Management should have greater transparency in decision making. Also, faculty participation in decision making needs improvement.
- R & D effort and industry interaction are not satisfactory and need considerable improvement.

CONCLUDING REMARKS

The Amritsar College of Engineering & Technology, Amritsar is a good Engineering College with reasonably good infrastructure facilities. The trustees appear to be sincere and dedicated in their task. They give a free hand to the Principal and others for carrying out the academic activities and provide all possible support for developmental activities. All the stakeholders appear to be happy with the performance of the College. The management should, however, make all possible efforts to bring in additional senior faculty members and young faculty members with postgraduate qualifications to improve the quality of teaching and other academic activities. They should also encourage faculty members to acquire higher qualifications. Special efforts are also needed to improve industry interaction and R & D capabilities.

The programme experts have assessed the undergraduate programmes of the College in Electronics & Communication Engineering, Computer Science & Engineering, Information Technology and Mechanical Engineering. The evaluation reports of experts are enclosed. I agree with their assessment and recommend that these four programmes be accredited for three years.

I would like to take this opportunity to thank all my team members for their active co-operation and meaningful assessment. Thanks are also due to the Chairman of Board of Governors, Managing Director, Principal, Heads of department and their colleagues for their assistance and co-operation during accreditation.



G. K. Lal

Chairman, NBA Accreditation Team
Amritsar College of Engineering & Technology,

December 3, 2008