



डॉ दिनेश
सलाहकार-II
(गुणवत्ता आश्वासन ब्यूरो)
Dr. Dinesh
ADVISER-II
(Quality Assurance Bureau)

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)

राष्ट्रीय प्रत्यायन मंडल (रा.प्र.मं.)
NATIONAL BOARD OF ACCREDITATION (NBA)

(constituted under clause 10(U) of AICTE Act, 1987)
(अभातशिप अधिनियम 1987 की धारा 10 (प) के अधीन गठित)

F.No. NBA/ACCR-1116/2008

March 17, 2009

To

The Principal/Director,
Arunai Engineering College,
Velu Nagar, Tiruvannamalai – 606 603
Tamil Nadu



Sub : Accreditation Status of Programme(s) offered by your Institution.

Dear Sir / Madam:

With reference to your application for accreditation of the following programme (s) and the Expert Committee visit to your institution, the report of the visit team was considered by the Engineering Accreditation Committees 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) from your Institution.

Sl. No.	Name of Programme(s)	Accreditation Status	Period of validity w.e.f. 10.02.09
1.	BE Electronics & Communication Engg.	Accredited	3 years ✓
2.	B. Tech. Industrial Bio- Technology	Accredited	3 years ✓
3.	ME Computer Science & Engg.	Accredited	3 years ✓
4.	ME CAD/CAM	Accredited	3 years ✓
5.	ME Power Electronics & Drives	Accredited	3 years ✓
6.	ME Applied Electronics	Not Accredited	✓
7.	MCA	Not Accredited	✓

(Total number of programmes **Accredited** vide this letter – **Five & Not Accredited - Two**) ✓

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.

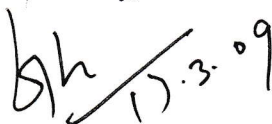
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The status awarded to the above programmes of your college / Institution is on the presumption that the programmes would maintain the current standards in future. If there are any changes that would effectively alter the status (such as, major changes 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 regards,

Yours Truly,


(Dr. Dinesh)

C.C. :

1. **The Vice-Chancellor,
Anna University
Sardar Patel Road, Guindy
Chennai – 600 025, T.N.**
2. **The Secretary,
Deptt. of Technical Education
Govt. of Tamil nadu
Chennai – 600 009
Tamil Nadu**
3. **The Regional Officer,
All India Council for Technical Education
Southern Regional Office
26 Haddows Road, Shastri Bhawan,
Chennai – 660 006**
4. **Accreditation File**
5. **Guard File**

(Dr. Dinesh)



Dr. S. S. Gokhale
Director

विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान,
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Visvesvaraya National Institute of Technology,
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To:

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NEW DELHI - 110 003



D/G 824
31 DEC 2008

Sir

Along with this brief note enclosed please find Chairman's Report of NBA Visit to Arunai Engineering College, Thiruvannamalai, Tamil Nadu 606 603 during December 19-21, 2008. Also included are Individual Reports of respective Expert Committees, Declaration forms as well as Score cards.

Kindly acknowledge receipt of this communication.

Sincerely yours,


S. S. Gokhale
December 31, 2008



Dr. S. S. Gokhale
Director

विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान,
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Report of Chairman NBA Committee
Arunai Engineering College, Thiruvannamalai, Tamil Nadu – 606 603
Dates of Visit: Dec. 19-21, 2008

1. Top Management Officials participated in the Opening Meeting on Dec. 19, 2008

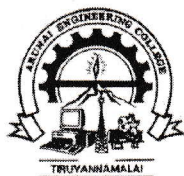
2. Positive Aspects:

- Adequate Faculty numbering 233
- Good Infrastructure (Buildings, Laboratories, Guest House etc.)
- Adequate Internet Bandwidth and number of Computers
- Good Library, Gymnasium and Adequate Sports facilities
- Good Transport facilities
- Satisfaction level of internal stakeholders (faculty, non-teaching staff) is good
- Satisfaction level of external stakeholder (student, alumni) is OK
- Meeting with parents did not take place
- Good overall progress in the past 15 years
- UG programs have been stabilized albeit admission and governance processes are largely with directions from state government
- College has impressive multi-lingual IVR facility to report student performance as well as Communication and personality development laboratory
- Free lunch is provided for faculty and staff of the college

3. Suggestions for Improvement:

- Faculty attrition rate is high (annually ~60 teachers leave and ~60 new are recruited)
- Faculty and students desire better allocation of funds for R&D as well as for Internal Research Projects
- Hunger and passion for R&D grants from other funding agencies (UGC/AICTE/Defense/Automotive/Space) & Consultancy activities is missing
- Action Taken Report with regard to earlier Accreditation Visit is missing
- Mentoring and motivation by senior faculty is continuously required
- More non-teaching staff is required, especially in laboratories
- Competitive examination performance of students and placement efforts needs to improvement
- Awareness and sensitizing regarding governance is required at all levels, e.g. well framed Service Rules and other documents are not publicized or known to all
- Faculty should be provided with cubicle offices to ensure reasonable privacy
- Membership of Professional bodies should be encouraged
- Outreach activities and additional hostel facilities should be reinforced
- Relatively young and dynamic Principal is required to take the college to next level of excellence
- Focused planning and meticulous record keeping needs strengthening

S. S. Gokhale
31.12.2008.
Dr S.S. GOKHALE
DIRECTOR



**ARUNAI ENGINEERING COLLEGE
TIRUVANNAMALAI.**

Phone: 04175 – 237419/237739/236799



NBA PEER TEAM VISIT SUMMIT MEETING REPORT

The NBA Peer Team of AICTE visited the College during December 19-21, 2008 to access the B.E. (ECE), B.Tech.(Bio-Technology), M.E.(Applied Electronics), M.E. (Power Electronics & Drive), M.E. (CSE), M.E.(CAD/CAM) and MCA programmes offered by the College and to accredit them. The strengths, weaknesses and suggestions for improvements as presented by the Committee Members as well as the Chairman during the Summit Meeting held on December 21, 2008 at 10 a.m. at Sparsa Hotel, Thiruvannamalai, are summarised and presented below. These are presented programmes wise with the Chairmans remarks at the beginning.

I. Chairmans Remarks

1. Strengths of the College

- (i) Campus is clean, neat and impressive;
- (ii) Computer centre is good;
- (iii) Star Members are highly motivated;
- (iv) Transport and Lunch facilities are very good;
- (v) Good infrastructure;
- (vi) Library is good;
- (vii) Gymnasium facilities are impressive;
- (viii) Satisfied Faculty (Limited sample of Teaching & Non Teaching Staff attended the Meeting). They are satisfied with the Management;
- (ix) All the programmes of the College are highly decent;
- (x) All UG programmes are stabilised;
- (xi) IVRS is well organised; and
- (xii) Language Laboratory is good.

2. Weaknesses

- (i) Departmental Libraries to be organised in coordination with the Central Library;
- (ii) SC/ST Book Bank is missing needs to be organised; and
- (iii) Meeting with the Parents to be organised; and
- (iv) No sufficient progress in internal projects.

3. Suggestions for Improvement

- (i) Strength and weaknesses presented by the earlier committees visited College to be made ready and available;
- (ii) Better allocation of R & D funds;
- (iii) R & D has to be strengthened in all M.E. programmes;
- (iv) Faculty should attempt to get funding for research from organisations such as AICTE, MHRD, UGC, S&T, etc. ;
- (v) R & D has to be pushed to the forefront;
- (vi) Senior faculty has to be maintained;
- (vii) Staff members have to be encouraged to participate in seminars/conferences/symposia and they should be exposed to the outside world;
- (viii) Non-teaching technical staff to work in the Laboratories to be improved;
- (ix) All achievements are to be made available. Achievements of the Departments are to be displayed;
- (x) Departments to be layout and brochures are to be made available. Achievements of the Departments are to be displayed;
- (xi) Faculty accretion to be minimised with better incentives to new faculty;
- (xii) Awareness and sensitisation of the staff need to be strengthened;
- (xiii) Service Registers to be maintained;
- (xiv) Service Rule Books to be created;
- (xv) There has to be a special emphasis on publications;
- (xvi) Outreach activities such as open house and staff visiting to schools to be organised;
- (xvii) Faculty offices need to be organised in a modular fashion to improve privacy, sense of belongingness and ownership; and
- (xviii) IVRS can be web oriented.

II M.E. (Power Electronics and Drive)

1.Strengths

- (i) Laboratories are well maintained;
- (ii) UG students projects are good and well organised;
- (iii) Faculty is doing good works;
- (iv) Organisation of National Conference is good to an appreciable level;
- (v) Placement is good;
- (vi) Work of the Department is good; and
- (vii) There is a potential to conduct FD programmes.

2. Weaknesses

- (i) PG strength is low;
- (ii) Motivation of junior faculty members to R & D is missing;
- (iii) IEEE membership is low;
- (iv) Hostels are crowded and study tables are not there;
- (v) Faculty cabins are not there;
- (vi) Non-teaching technical support staff is very low; and
- (vii) Instrumentation laboratory is weak.

3. Suggestions for Improvement

- (i) Instrumentation and Control Laboratory is to be strengthened;
- (ii) List of equipments is to be prepared and kept ready;
- (iii) PG Laboratory needs to be strengthened with more experiments;
- (iv) Future plans have to be clearly and explicitly prepared;
- (v) PG students projects are to be increased and strengthened;
- (vi) Paper presentation has to be encouraged;
- (vii) There has to be an organised attempt to attract students for the PG programme;
- (viii) Achievements have to be showcased;
- (ix) PG programme needs to be strengthened; and
- (x) Students have to be encouraged to attempt competitive examinations.

III M.E. (Applied Electronics)

1. Strengths

- (i) Laboratories are well equipped;
- (ii) Faculty is well motivated;
- (iii) Placement is good with 50% placed;
- (iv) Faculty is fully satisfied;
- (v) Transport and Lunch facilities are good;
- (vi) Student intake and results are good;
- (vii) UG programme is going on well; and
- (viii) Faculty strength is good.

2. Weaknesses

- (i) Faculty is not motivated to go up in career;
- (ii) Laptops are not used properly;
- (iii) Quality of students projects are low and bad;
- (iv) Students are sent out for projects, not to be encouraged;
- (v) Strength of students in doing projects is pushed out, not good for the departmental growth;
- (vi) M.E. admission is low;
- (vii) M.E. results are not good;
- (viii) M.E. placement is low;
- (ix) R & D for local industries and farmers are missing;
- (x) Consultancy for local problems needs to be addressed;
- (xi) Publication is low; and
- (xii) Performances of students at initial and middle levels are very low.

3. Suggestions for Improvement

- (i) Fancy ideas of students in projects are to be appreciated, encouraged, natured and to be funded, will help the departmental growth;
- (ii) R & D and consultancy for local conditions, industries and farmers have to be strengthened;

- (iii) Students can be encouraged to take up competitive examinations;
- (iv) Efforts need to be taken to improve the placements;
- (v) Students should be encouraged to take up in-house projects;
- (vi) PG intake has to be improved;
- (vii) Publications have to improved; and
- (viii) Faculty retention has to be strengthened.

IV M.E. (Computer Science and Engineering)

1. Strengths

- (i) Good infrastructure in terms of building and computers;
- (ii) R & D projects are good; and
- (iii) Consultancy services of the department are good.

2. Weaknesses

- (i) Academic Leadership is missing;
- (ii) Record keeping is poor;
- (iii) Management of the Department is poor;
- (iv) Insufficient non-teaching technical support staff;
- (v) Placement of M.E. graduates is poor and the records are missing;
- (vi) Laboratory assignments are low;
- (vii) M.E. Thesis work needs to be organised;
- (viii) Staff cabins are missing; and
- (ix) Change of author names in paper publication is noticed, which is to be avoided;

3. Suggestions for Improvement

- (i) External funding for R & D can be improved;
- (ii) Cabins for staff members have to be created and provided, which will improve the sense of belongingness and ownerships;
- (iii) Academic leadership can be created;
- (iv) Systematic records keeping can be organised;
- (v) Placements for M.E. students have to be improved; and
- (vi) M.E. Theses works have to be streamlined and organised.

V M.E. (CAD/CAM)

1. Strengths

- (i) Faculty is good with qualifications;
- (ii) Teaching work load is good;
- (iii) Level of satisfaction of staff is good;
- (iv) Good internet connectivity;
- (v) Hostels are good; and
- (vi) PG laboratory manuals are there;

2. Weaknesses

- (i) Internet connectivity is not used seriously;
- (ii) Hostels are too cramped;
- (iii) Minimum biological space for growth in hostels is lacking;
- (iv) It appears first come first served situation in hostels;
- (v) PG laboratory manuals to be revised and should be available to students;
- (vi) More experiments to be added;
- (vii) More softwares to be added;
- (viii) More equipments to be added;
- (ix) R & D to be strengthened;
- (x) No asking for funds;
- (xi) More funding agencies to be tapped;
- (xii) PG enrolment is low and it is suffering;
- (xiii) Focused attention is missing; and
- (xiv) Non-teaching technical staff is low.

3. Suggestions for Improvement

- (i) Efforts are needed to improve the admission;
- (ii) Non-teaching technical staff to be increased;
- (iii) Efforts are needed in record keeping and course file maintenance in proper forms;
- (iv) Efforts are needed to improve the placements;
- (v) Attempts are required to purchase more equipments and softwares;
- (vi) PG lab manuals to be revised regularly and students should be encouraged to use them; and
- (vii) Efforts are needed to improve the budget.

VI MCA Programme

1. Strengths

- (i) Good staff;
- (ii) Seats are filled up;
- (iii) Quality of intake is good;
- (iv) Programme is run with a well defined calendar; and
- (v) Course files maintained by staff and delivery are good.

2. Weaknesses

- (i) Placement is very low;
- (ii) Guest Lectures are low;
- (iii) IVs are low; and
- (iv) Institute – Industry collaboration is low.

3. Suggestions for Improvement

- (i) Perks can be improved;
- (ii) Technical staff need to be strengthened;
- (iii) Teaching staff to be increased;
- (iv) Placement has to be improved;
- (v) Guest Lectures and IVs have to be organised in a regular fashion;
- (vi) Institute-Industry collaboration has to be strengthened;
- (vii) Performance appraisal has to be followed up;
- (viii) Budget allocation needs to be streamlined;
- (ix) There has to be a systematic filing of departmental papers; and
- (x) Recently joining staff should be oriented towards the programme.

VII Electronics and Communication Engineering

1. Strengths

- (i) UG Laboratories are well equipped;
- (ii) Well motivated faculty;
- (iii) Placement is good; 50% is placed;
- (iv) Faculty is happy and satisfied;
- (v) Transport and Lunch arrangements are good;
- (vi) Intake and results are good;
- (vii) UG programme is going well;
- (viii) Faculty strength is good; and
- (ix) Branch is preferred as the first choice.

2. Weaknesses

- (i) Staff members are not motivated to go up in career;
- (ii) Laptops are not used properly;
- (iii) Quality of student's projects are bad;
- (iv) Sending students outside for projects are no good;
- (v) Student's strength in taking up projects is pushed out
- (vi) Fancy ideas of students are not nurtured and encouraged;
- (vii) M.E. admission is low;
- (viii) M.E. placement is low;
- (ix) R & D for local conditions, local industries and farmers need to be addressed;
- (x) Consultancy for local problems needs to be improved;
- (xi) Performances of students at the initial and middle levels are low;
- (xii) Competitive examinations to be encouraged; and
- (xiii) Publications are very low.

3. Suggestions for Improvement

- (i) Fancy ideas of students can be encouraged and the students should be encouraged to take up in house projects with college funding;
- (ii) Intake of M.E. students and placement for M.E. students have to be improved;
- (iii) R & D can be improved;

- (iv) Publication to be improved;
- (v) Retention of the faculty to be improved;
- (vi) R & D for local problems and industries and consultancy for local conditions all have to be improved; and
- (vii) Achievements can be showcased.

VIII Bio – Technology

1. Strengths

- (i) Rational allocation of budget to the department;
- (ii) Department as a whole is good;
- (iii) Highly motivated and committed staff; and
- (iv) Laboratory practices are good.

2. Weaknesses

- (i) Space is inadequate;
- (ii) Faculty is not placed properly, seated together and cramped;
- (iii) Tutorial class rooms are missing;
- (iv) Multi-facility needs to be created;
- (v) Low admission last year;
- (vi) No national representation of students; and
- (vii) Marketing and showcasing of achievements are missing.

3. Suggestions for Improvement

- (i) Motivation of the department and staff is to be created;
- (ii) Efforts needed to increase the space for the department;
- (iii) Staff cabins and tutorial class rooms need to be added;
- (iv) Efforts are needed to attract more students at state and national levels;
- (v) More budget can be provided to encourage the staff to take up R & D activities; and
- (vi) Attempts can be made to showcase the achievements and preparation of brochures for the department.


Principal
Arunai Engineering College
Tiruvannamalai - 606 603