

# NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhasham Pitamah Marg  
Pragati Vihar, New Delhi-110 003  
Tel: +91 11 2436 0619 – 22, 2436 0654 Telefax: +91 11 2436 0683



No. F. 32-4/2010 NBA (Vol.II)

Dated: 17<sup>th</sup> September, 2012

To

✓ The Principal,  
Poornima College of Engineering,  
ISI-6, RIICO Institutional Area,  
Goner Road, Sitapura,  
Jaipur – 302022 (Rajasthan)

Sub: Accreditation status of programmes applied by Poornima College of Engineering, Jaipur (Rajasthan)

Dear Sir/ Madam

This has reference to your application dated 22.02.2011 seeking accreditation of National Board of Accreditation to various Programmes.

2. An Expert Committee conducted an on-site evaluation of the programmes during 25-26 May, 2012. The report submitted by the Expert Committee was considered by the Engineering Accreditation Evaluation Committee (EAEC) at its meeting held on 04.08.2012. The Executive Committee of the National Board of Accreditation considered the recommendations of EAEC at its meeting held on 28-08-2012. The Executive Committee approved the accreditation status of each programme of your institution as given in the table below. The Executive Committee has also decided that the duration of accreditation will be academic-year wise. For this purpose the academic year will be considered from July to June. The period of accreditation in Col. 4 below has been given accordingly:

S. No	Name of the Programme	Accreditation status	Period of validity
(1)	(2)	(3)	(4)
1.	B. Tech Mechanical Engineering	Accredited Provisionally	2 Years w.e.f. 1st July 2012

3. Accreditation granted is Provisional for 2 years. The Institution may apply after overcoming the weaknesses to upgrade their status to "Full Accreditation" of the Programme.

4. The accreditation status awarded to the programmes as indicated in the above paragraph does not imply that the accreditation has been granted to Poornima College of Engineering,, Jaipur as a whole. The complete name of the programme(s) accredited, level of programmes (UG or PG as the case may be) and the period of validity of accreditation, as well as the date from which the accreditation is effective, should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

*D. K. Bhatnagar*

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NATIONAL BOARD  
OF ACCREDITATION

: 2 :

5. The accreditation status of the above programmes is subject to change on periodic review, if needed, by the NBA. It is desired that the relevant information in respect of accredited programmes, as indicated in Table in paragraph 2, appears on the website and information bulletin of your institution.

6. The accreditation status awarded to the programmes as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

7. Copies of the Comprehensive Report submitted by the Chairman of the Expert Committee along with the detailed reports submitted by the Expert team for the programme evaluated which visited your institution are enclosed for reference and to take necessary action to improve upon the shortcomings, if any, pointed out by the Expert Team.

8. If the institution is not satisfied with the decision of NBA, it may appeal within thirty days of receipt of this communication giving reasons for the same and by paying the requisite fee.

Yours faithfully,

(Dr. D.K. Paliwal)

Member Secretary

Encls: Copies of Comprehensive Report of Chairman and Report of the Visiting Team

Copy to:

1. Member Secretary, AICTE  
Chanderlok Building, Janpath,  
New Delhi-110001
2. The Vice Chancellor  
Rajasthan Technical University,  
Rawatbhata Road,  
Kota – 324010 (Rajasthan)
3. The Secretary,  
Primary Secondary Education Department,  
Government of Rajasthan, Secretariat,  
Jaipur – 302005 (Rajasthan)
4. Accreditation File
5. Master accreditation file of the State



Report of the chairman of the accreditation committee visit to  
Poornima College of Engineering,  
ISI-6 RIICO Institutional area, Goner Road, Sitapura,  
Jaipur – 302022 (Rajasthan)

The NBA had constituted an expert committee with the following members to evaluate the programme Mechanical Engineering, offered by Poornima Engineering College for accreditation with following members

1. Prof. V.V. Subba Rao - Chairman
2. Prof. Rasheed Ahmed Khan - Member
3. Prof. Pramod Kumar Mishra - Member,

The expert committee visited the Poornima College of Engineering on 25<sup>th</sup> and 26<sup>th</sup> of May 2012. Expert committee had preliminary discussion with the management and reviewed in general of Mechanical Engineering Programme offered by the college. This is one programme besides several Engineering programmes run by the management. The principal gave a detailed account of the programme by power-point presentation.

The committee along with the members of the management and senior faculty visited the Central facilities in the college and latter the chairman examined the various documents pertaining to institution. Mean while the expert members proceeded to examine the facilities offered by the mechanical Engineering department. They interacted with the faculty, students and supporting staff of the department. In addition, the experts examined the infrastructure, other facilities and other various aspects, like teaching learning process, records of feed back from students, teachers and their qualifications, etc.

The following is the details of their strengths and weaknesses and various aspects of the department.

**Criterion I : Organisation and Governance, Resources, Institutional Support, Development and plans.**

Several committees have been formed by the management to oversee the various aspects in the college. The land to the extent of 5.23 acre, with a built in floor space of around 38000 sqm, taken on lease from the Government. It appears that all Institutions around are in the same situations. Maintenance of infrastructure is well taken care. Hostels are available for both boys and girls. Transport facilities are provided for the rest of the student and staff, who come from city. There is enough power backup provided for labs and building. Enough budget is provided to meet core requirements, with availability corpus fund. The labs are fully equipped. Enough computer facilities are available, both curricular and extra-curricular activities were observed, campus interviews do take place but not enough.

The college with both Under graduate and Post graduate programmes running the library facilities in terms of titles and volumes are quite inadequate. The expert committee could not find doctor in the campus even though the management claims that there are part time employees.

**Criterion II : Teaching learning process.**

Academic calendar is maintained, the college follows the academic programmes of the University in all respects. The feed back from student is in existence and remedial action taken depending on the feed back. The Alumni association exists and they meet often and deliberations are recorded. The staff student ratio is good. The results are progressively encouraging. Even though teaching learning process is taking place there is an urgent need of AICTE qualified staff. Even the Head of Department (HOD) is not qualified as per AICTE requirement; there is shortage of lab staff.

**Criterion III : Student entry and output.**

The city has more than 20 colleges, but this did not effect the admission of the students in the programme and strength is full continuously since starting of the department. Academic performance is good, professional societies are established in collaboration with industries. The final year projects are excellent.

**Criterion IV : Faculty contribution.**

Teacher student ratio is adequate, cadre ratio is not up to the mark, the staff qualification are not as required, several staffs are recently appointed. No research activity was observed.

**Criterion V : Facilities and Technical support.**

Enough rooms are available for teachers and staff and tutorials. Computing facilities provided in department to senior staff. The Labs are fully equipped for the students to have enough hands on experience. Existing technical staff are qualified but needs improvement. No encouragement for skill up-gradation.

**Criterion VI : Continuous improvements.**

It was observed that there is successive improvement in student's performance every year. The faculty qualification is mostly inadequate. Qualified staff is not available in the department. No action appears to have taken for enhancement of qualification. No research activity was observed and no R&D activity. Some staff members do attend the seminars conducted elsewhere and do present papers.

**Criterion VII : Curriculum.**

The College follows the curriculum developed by the University and is followed effectively. The staff of basic sciences are well qualified. The Projects undertaken by the students are industrially oriented and are excellent. There is no flexibility in the academic system since the curriculum is designed by the University.

**Criterion VIII : Programme Educational objectives-their compliance and outcome.**

The expert committee did not observe any specific educational objectives. The college is following a routine programme of teaching and learning process. The faculty qualifications are not up to AICTE requirements. No significant academic achievement observed.

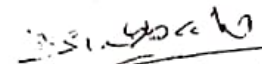


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### Conclusion and recommendations:

The management made all efforts to improve infrastructure and other facilities so also the opinion of Alumni, parents and employees. The expert committee observed a major deficiency in terms of qualified faculty, teaching and technical staff in the department.

In my opinion, even though there are certain strengths in the college the major deficiency / weakness is in terms of qualified faculty. An institution with several UG and PG courses, the library facilities in terms of titles and volumes are deficient. These two aspects are essential in an Engineering institution to train graduates to become competent in the outside world. On this account the department cannot be recommended for accreditation at any level.

  
(V.V Subba Rao) 11-6-12  
Chairman

REPORT OF THE EXPERT COMMITTEE VISIT  
FOR  
ACCREDITATION  
OF  
UNDER GRADUATE PROGRAMME

**NBA**

NATIONAL BOARD OF ACCREDITATION

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ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

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4<sup>TH</sup> FLOOR, EAST TOWER, N.B.C.C. PLACE,  
BHISHMA PITAMAHA MARG, PRAGATI VIHAR,  
LODHI ROAD, NEW DELHI-110003

# Evaluators' Report on Accreditation Visit

Name of the Programme : Mechanical Engineering.

Name and address of the Institute : Poornima college of Engg..  
Jaipur.

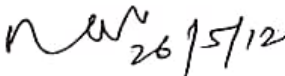
Name of the Affiliating University : RTU

Dates of the Accreditation Visit : 25th & 26th May 2012

Name, Designation and Affiliation of Program Evaluator 1 : PROF. RASHEED AHMED KHAN  
Mech. Engg Dept.,  
Jamia Millia Islamia,  
NEW DELHI - 110025

Name, Designation and Affiliation of Program Evaluator 2 : P.K. Mishra, Professor  
M.N.N.I.T., Allahabad (UP)


Name, Designation and Affiliation of Team Chairperson : ~~Prof.~~ V.V. Subbarao  
Plot No. 50, Gopabandhu  
S.R. Nagar, Hyderabad-500038

  
26/5/12

(Program Evaluator 1)

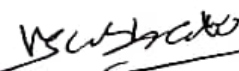
Signature

RASHEED AHMED KHAN

  
P.K. Mishra

(Program Evaluator 2)

Signature



(Team Chairperson)

Signature

Criterion - I: Organization and Governance, Resources, Institutional Support, Development and Planning

Item No.	Item Description	Max. Points	Points Awarded	Remarks
I-I.1	Campus Infrastructure and facility	30	22	satisfactory
I-I.2	Organization, governance and transparency	20	12	-do- lot of transparency
I-I.3	Budget allocation and utilization	10	7	satisfactory
I-I.4	Library	25	16	Needs improvement in titles & volumes
I-I.5	Academic support units and common	20	12	satisfactory
I-I.6	Internet	5	4	good
I-I.7	Co-curricular and extra curricular activities	10	8	good
I-I.8	Career guidance, Training, placement and Entrepreneurship cell	15	12	Good
I-I.9	Safety norms and Checks	5	3	satisfactory
I-I.10	Emergency medical care and first-aid	10	6	Needs improvement
Total		150	102	

\*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.



### Criterion – II: Evaluation and Teaching-Learning

Item No.	Item Description	Max. Points	Points Awarded	Remarks
II-I.1	Evaluation system	40	31	good.
II-I.2	Tutorial Classes/remedial classes/mentoring	20	14	Good.
II-I.3	Teaching evaluation process : Feedback system	30	18	needs improvement
II-I.4	Self learning and Learning beyond syllabus	20	12	Needs improvement
II-I.5	Faculty Ratio and qualification for First Year Common Courses	25	20	Good.
II-I.6	Academic performance in First Year Common Courses	40	29	satisfactory
	Total	175	124	

• Brief Justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

Criterion – III : Students' Entry and Outputs

Item No.	Item Description	Max. Points	Points Awarded	Remarks
III- P.1	Students admission	10	9	Good
III- P.2	Success Rate	30	20	satisfactory
III- P.3	Academic performance	30	22	satisfactory
III- P.4	Placement and higher studies	40	25	Needs improvement
III- P.5	Professional activities	20	13	satisfactory
III- P.6	Students' projects quality	20	16	Good.
Total		150	105	

\*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

# Criterion - IV : Faculty Contributions

Item No.	Item Description	Max. Points	Points Awarded	Remarks
IV-P.1	Faculty in position : Teacher-Student Ratio	20	15	Good
IV-P.2	Faculty in position : Cadre Ratio	20	10	Needs due attention
IV-P.3	Faculty qualification	40	10	The qualified faculty is not available. It needs immediate attention
IV-P.4	Faculty retention	20	10	Not good.
IV-P.5	Research publications and IPR	20	0	Not good. Faculty should be encouraged to put efforts in this direction and management should pay due attention.
IV-P.6	Externally funded R & D projects and consultancy work	20	10	Needs improvement
IV-P.7	Interactions of faculty members with outside world	10	7	Satisfactory
Total		150	70	

\* Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.



Criterion V: Facilities and Technical Support

Item No.	Item Description	Max. Points	Points Awarded	Remarks
V-P.1	Class rooms	15	11	Good
V-P.2	Faculty rooms	15	10	satisfactory
V-P.3	Laboratories Including computing facility	25	17	satisfactory
V-P.4	Technical manpower support	20	12	Needs Improvement
Total		75	50	

\* Brief Justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

Criterion VI: Continuous Improvements

Item No.	Item Description	Max. Points	Points Awarded	Remarks
VI-P.1	Improvement in Success Index of students	10	5	Needs improvement
VI-P.2	Improvement in academic performance of students	10	7	satisfactory
VI-P.3	Enhancement of faculty qualifications and retentions	15	8	Needs immediate attention
VI-P.4	Improvement in Faculty activities in research publication, R & D work and consultancy, Interaction	15	8	Needs immediate attention.
VI-P.5	Continuing education	10	6	Satisfactory
VI-P.6	New facility created	10	6	satisfactory
VI-P.7	Overall improvements since last accreditation, if any, otherwise, since establishment	5	3	satisfactory
Total		75	43	

\* Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

Criterion VII: Curriculum

Item No.	Item Description	Max. Points	Points Awarded	Remarks
VII-P.1	Contents of basic sciences, HSS professional core and electives, and breadth	40	25	Good
VII-P.2	Emphasis on laboratory and project work	30	20	Good
VII-P.3	Curriculum updates and PEO reviews	30	20	Good
VII-P.4	Additional contents to bridge curriculum gaps	25	20	Good
Total		125	85	

\*Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.



# Criterion VIII: Programs Educational Objectives – Their Compliance and Outcomes

Item No.	Item Description	Max. Points	Points Awarded	Remarks
VIII-P.1	Course objective and mapping	20	15	Good
VIII-P.2	Assessment outcomes	20	12	satisfactory
VIII-P.3	Mapping with faculty expertise	20	10	Needs attention
VIII-P.4	Mapping with outcomes	20	12	Satisfactory
VIII-P.5	Significant achievements	20	10	Needs due attention
	Total	100	59	

\* Brief justification for award of points as per laid down criterion and reasons for award of points less than the minimum eligibility marks in case of mandatory parameters wherever applicable may be given.

**Criterion IX: General Report about the strengths, weaknesses and deficiencies, if any**

**\*Strengths:**

The projects developed by final year students are upto the mark. The amenities provided in the hostels are sufficient and it is hygienic. The management is supportive. The dept has licenced softwares.

**\*Weaknesses:**

There is not established purchase procedure and documentation is poor. The employees service books are not prepared. More space should be provided for extra seats allotted.

**\*Deficiencies, if any**

The qualification of the faculty should be enhanced. More supporting staff should be added.

**\*Additional Remarks, if any** NIL

(\*Separate sheet may be attached, if necessary)

## Summary Assessment

No.	Criterion Descriptor	Max. Points	Qualifying Points	Points Awarded	Qualified?
I	Organization and Governance, Resources, Institutional Support, Development and Planning	150	100	102	Yes/No
II	Evaluation and Teaching-Learning	175	115	124	Yes/No
III	Students' Entry and Outputs	150	100	105	Yes/No
IV	Faculty Contributions	150	100	70	Yes/No
V	Facilities and Technical Support	75	—	50	—
VI	Continuous Improvements	75	—	43	—
VII	Curriculum	125	—	85	—
VIII	Program Educational Objectives - Their Compliance and Outcomes	100	—	59	—
	Total	1000		638	

*nar*  
(Program Evaluator 1)

RASHEED AHMED KHAN

*P. K. Mishra*  
(Program Evaluator 2)

*V. V. Subra*  
(Team Chairperson)  
V. V. SUBRA



## Chairperson's Report

### \*Strengths:

The Institution constituted several councils in addition to G.C. to see overall activities of both finance and academic matters. Hostels of both boys and girls are managed well. In addition to canteen, well ventilated. The projects by final year mechanical students are excellent, and are practically oriented, had licensed software, the management, finances good project, good computer facilities.

### \*Weaknesses:

The collections are not properly documented. The Labs especially for first year are not properly laid out, little attention is paid to this aspect. The strength of non teaching staff is inadequate, they need to be improved. Please meet needs to be improved, medical facilities are very inadequate.

### \*Deficiencies, if any

R&D facilities needs attention: within the college being established during 2000. The library has to be improved with adequate collections on mechanical and electrical. This needs immediate attention. A notice board system is with regard to staff, no qualified staff with staff qualifications. Majority new are with no qualifications, more supporting staff to be appointed.

### \*Additional Remarks, if any

The most important requirement in a technical institution is one - qualified teaching staff, supporting staff and adequate and extensive library facilities with more titles and volumes. Within the college there is very little attention.

(\*Separate sheet may be attached, if necessary) The leave record has to be more important aspect which management requires. There are no college funds be recommended for accreditation.

V. S. S. S.  
(Team Chairperson)

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## Accreditation Status

1. The Program gets the status 'Accredited' for next 5 years from the date of issue of the letter from NBA, if it gets a minimum score of 750 points and scores minimum qualifying marks in the criteria specified.
2. The Program gets the status 'Provisionally Accredited' for next 2 years from the date of issue of the letter from NBA, if it gets a minimum score of 600 points.

The Institution may apply after overcoming the weaknesses to upgrade their status to "Full Accreditation" of the Program.

3. The Program gets the status 'Not Accredited' if it gets the score less than 600 points.

Officially, it may

Additional Remarks, if any

$x^2 = x \wedge 2$

$A^T = A^1$