

# ANNUAL REPORT

1<sup>st</sup> April 2016 - 31<sup>st</sup> March 2017



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National Board of Accreditation  
New Delhi

# Annual Report

April 1<sup>st</sup> 2016 to March 31<sup>st</sup> 2017



National Board of Accreditation  
New Delhi

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## Vision

To be an accrediting agency of international repute by ensuring the highest degree of credibility in assurance of quality and relevance of professional education and come to the expectations of its stakeholders, viz., academicians, corporate, educational institutions, government, industry, regulators, students, and their parents.”



## Mission

To stimulate the quality of teaching, self -evaluation and accountability in higher education and facilitate the Institutions in realizing their academic objectives, adopt teaching practices that enable them to produce high quality professionals and to assist them in continuously contributing to the domain of knowledge through innovations & research.

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# CHAPTER 1

## 1. Introduction

## 1.1 Preamble

Quality education is the foundation of knowledge, discoveries, innovation and entrepreneurship that trigger growth and prosperity of the individual as well as that of a nation. For this, we need to have a robust accreditation system in the country which is relevant to the needs of the society and economy and nurture qualities of problem solving and creative thinking, learning-by-doing, greater engagement with the live context, and confident self-expression from a young age.

Accreditation is a process that institutions of higher education undergo to confirm that they meet the required educational standards. Accreditation is earned through accrediting bodies that have been created specifically to assess higher education institutions and programs.

The purpose of accreditation is to create a set of standards for all institutions of higher education, and to encourage institutions to be the best. The accreditation aims to ensure accountability of institutions and programs in order to boost public trust and confidence. When an institution or program is properly accredited, students are able to gauge its overall quality without conducting a detailed analysis on their own.

National Board of Accreditation (NBA), accredits programs offered by the technical/professional institutions uses a multi-pronged approach to ensure quality standards are being met by a program seeking accreditation. First, an institution must apply for accreditation and submit a Self-Assessment Report (SAR) which is based on the standards and criteria set by the NBA. After that, a panel of experts visits the institution to verify and assess various parameters, standards and processes in accordance with the SAR. The panel of experts is required to submit a report to NBA based on their observations during the visit. Subsequently, the final decision on accreditation of a program is taken after going through a well-defined decision making process.

### Benefits of Accreditation

Accreditation is a tool that stakeholders use to monitor, assess and evaluate the standards and quality of the education a student receives at a college, university or other institution of higher learning. Here are some of the main benefits enrolled students receive by attending an accredited institution/program.

- ❖ Accredited institution/program offers the highest quality education available.
- ❖ Employers value degrees of an accredited program the most.
- ❖ Accreditation pushes institutional programs to continually improve.

## 1.2 The Organization

The New Education Policy of 1986 recognized the need for a Statutory Body at the National level responsible for overseeing the growth and quality of Technical Education in the country. Accordingly, All India Council for Technical Education (AICTE) was established by an Act of Parliament in 1987, with a view to the proper

planning and coordinated development of the technical education system throughout the country, the promotion of qualitative improvement of such education in relation to planned quantitative growth and the regulation and proper maintenance of norms and standards in the technical education system for matters connected therewith. Technical education was defined as programs of education, research and training in engineering, technology, architecture, town planning, management, pharmacy and applied arts and crafts and such other programs or areas as the Central Government may, in consultation with the Council, by notification in the official Gazette, declare.

AICTE, as a part of its one of the activities, set up the National Board of Accreditation (NBA) in September 1994, in order to assess the qualitative competence of the programs offered by educational institution from diploma level to post-graduate level in engineering and technology, management, pharmacy, architecture and related disciplines, which are approved by AICTE.

The NBA, in its present form, has come into existence as autonomous body with effect from 7th January 2010, under the aegis of AICTE, with the objective of assurance of quality and relevance of technical education, through the mechanism of accreditation of programs offered by the technical institutions. The NBA conducts evaluation of programs of technical institutes on the basis of laid down norms. This may include, but not limited to Institutional Missions and Objectives; Organization and Governance; Infrastructure Facilities; Quality of Teaching and Learning; Curriculum Design and Review. Support Services (Library, Laboratory, Instrumentation, Computer Facilities, etc.) and any other aspect as decided by the General Council and/or Executive Committee, which will help the graduates produced by the institutions as per industry requirements.

### **1.3 Authorities of NBA**

At present, the NBA has the following authorities.

- i. The General Council,
- ii. The Executive Committee, and
- iii. Such other authorities as may be constituted and/or declared by the General Council

#### **General Council**

The General Council is the principal authority of the NBA, and responsible for its over all activities and affairs. It gives policy directions/guidelines to the Executive Committee, which takes steps for managing the activities and affairs of the NBA accordingly.



Sl. No.	Name and address	Chairperson/Member
1	Dr. Surendra Prasad, [Former Director, IIT Delhi] Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi-16.	Chairperson
2	Sh. Vinay Sheel Oberoi Secretary, Deptt. Of Higher Education, Ministry of HRD, Shastri Bhavan, New Delhi – 110003.	Member(ex-officio)
3	Vacant as of now	
4	Vacant as of now	
5	Prof. D.S. Chauhan, President, Association of Indian Universities, Comrade Indrajit Gupta Marg (Kotla Marg), Near I.T.O., New Delhi-110 002.	Member (ex-officio)
6	Prof. S. C. Sahasrabudhe, Former Director, DAIICT Gandhinagar, Gujarat.	Member (Nominated)
7	Dr. P.N. Razdan Vice Chancellor, Dr.D.Y. Patil Vidyapeeth, Pune, Sant Tukaram Nagar, Pimpri, Pune-411018, Maharashtra.	Member (Nominated)
8	Shri V. Kovaichelvan, Senior Vice President (HR) TVS Motor Company Ltd., Post Box. No. 4, Harita, Hosur-635109, Tamil Nadu.	Member(Nominated)
9	Prof. S.G. Deshmukh, Director, ABV-Indian Institute of Information Technology and Management Gwalior, Morena Link Road, Gwalior, Madhya Pradesh-474015	Member(Nominated)

10	Prof. C.V.R. Murty, Director, Indian Institute of Technology, Jodhpur, Old Residency Road, Ratanada, Jodhpur-342011.	Member(Nominated)
11	Prof. Mihir Kanti Chaudhuri, Vice Chancellor, Tezpur University, Office of the Vice Chancellor, Tezpur University, Tezpur-784028.	Member(Nominated)
12	Prof. Parimal H. Vyas, Vice Chancellor, M.S. University of Baroda, Pratapgunj, Pratapgunj, Vadodara- 390002, Gujarat.	Member(Nominated)
13	Prof. Onkar Singh, Vice Chancellor, Madan Mohan Malaviya University of Technology , Deoria Road, Gorakhpur,Uttar Pradesh-273001.	Member(Nominated)
14	Prof. Janat Shah, Director, Indian Institute of Management, Polymer Science Building, Mohanlal Sukhadia,University Campus, University Road, Ganesh Nagar, Udaipur, Rajasthan-313 001.	Member(Nominated)
15	Prof. Chetan Vaidya, Director, School of Planning and Architecture, 4-Block-B, Indraprastha Estate,New Delhi-110002	Member(Nominated)
16	Prof. B. B. Ahuja, Director, College of Engineering,Pune 411 005, Maharashtra.	Member(Nominated)
17	Dr. Alka Mahajan, Director, Institute of Technology, Nirma University, Sarkhej-Gandhinagar Highway, Post: Chandlodia, Via: Gota,Ahmedabad-382 481.	Member(Nominated)

18	Dr. Pratima Tatke, Principal, C.U. Shah College of Pharmacy, SNDT Women's University, Sir Vithaldas, Thakersay, Santacruz West,Juhu, Mumbai.	Member(Nominated)
19	Vacant as of now	
20	Vacant as of now	
21	Dr. Anil K. Nassa Member Secretary, National Board of Accreditation, 4th Floor, East Tower, NBCC Place, Lodhi Road,New Delhi - 110 003	Member Secretary(ex-officio)

### Executive Committee

The affairs of the NBA are managed, administered, directed and controlled as per Rules and Bylaws approved by the Executive Committee (EC) and ratified by the General Council (GC).

Sl. No.	Name and address	Chairperson/Member
1	Dr. Surendra Prasad [Former Director, IIT Delhi] Department of Electrical Engineering, IIT Delhi, HauzKhas,New Delhi - 110 016	Chairperson
2	Prof. Anil D. Sahasrabudhe Chairman, All India Council for Technical Education,Nelson Mandela Marg, Vasant Kunj, New Delhi-110067.	Member (ex-officio)
3	Sh. R Subramanyam Additional Secretary(T), Department of Higher Education, Ministry of Human Resource Development, Government of India,Shastri Bhawan, New Delhi – 110001	Member(ex-officio)

4	Vacant as of now	Member(ex-officio)
5	Smt. Ranjeev R. Acharya IAS, Principal Secretary, Telangana Secretariat, Tankbund, Basheer Bagh, Near NTR Gardens, Telangana, Hyderabad, Telangana-500022.	Member(ex-officio)
6	Smt. Punya S. Srivastava IAS, Secretary, (Higher Education/T.T.E.), Directorate of Education, Old Secretariat, Civil Line, New Delhi-110054	Member(ex-officio)
7	Smt. Nila Mohanan IAS, Secretary, Directorate of Education, Goa, Porvorim, Goa-403521.	Member(ex-officio)
8	Shri Raj Hans Upadhyay (IAS), Additional Chief Secretary (Technical Education Department), Directorate of Technical Education, W-6, Gaurav Path, Residency Road, Jodhpur (Rajasthan)-342 032.	Member(ex-officio)
9	Prof. Manoj Datta Department of Civil Engineering, Indian Institute of Technology, Hauz Khas, New Delhi – 110 016.	Member(Nominated)
10	Prof. S.G. Deshmukh Director, ABV-Indian IITM Gwalior, Morena Link Road, Gwalior, Madhya Pradesh-474015.	Member(Nominated)
11	Prof. Parimal H. Vyas Vice Chancellor, The M.S. University of Baroda, Pratapgunj, Pratapgunj, Vadodara, Gujarat- 390002.	Member(Nominated)
12	Prof. B. B. Ahuja, Director, College of Engineering, Pune , Maharashtra- 411 005.	Member(Nominated)

13	Ms. Shalini S. Sharma, Head-Higher Education Confederation of Indian Industry (CII), Lodhi Road, New Delhi.	Member(Nominated)
14	Mr. Yogi Sri Ram, Senior VP, Corporate HR, L&T, Mumbai, North Block-II, First Floor, Powai Campus, Saki Vihar Road,Mumbai-400 072.	Member(Nominated)
15	Shri Rajesh Uppal, Executive Director (IT) & CIO,Maruti Udyog Limited, Palam Gurgaon Road, Gurgaon- 122 015.	Member(Nominated)
16	Shri V. Kovaichelvan, Senior Vice President (HR) TVS Motor Company Ltd., Post Box. No. 4, Harita, Hosur- 635109.	Member(Nominated)
17	Vacant as of now	Member(Nominated)
18	Vacant as of now	Member(Nominated)
19	Prof. S. C. Sahasrabudhe Former Director, DAIICT Gandhinagar, Gujarat.	Member(nominated)
20	Dr. P.N. Razdan Vice Chancellor, Dr.D.Y. Patil Vidyapeeth, Pune, Sant Tukaram Nagar, Pimpri, Pune-411018, Maharashtra.	Member(nominated)
21	Dr. Anil K. Nassa Member Secretary, National Board of Accreditation, 4th Floor, East Tower, NBCC Place, Lodhi Road, New Delhi - 110 003	Member Secretary(ex-officio)

**Other Authorities constituted by the General Council****a) Finance Committee:**

The Finance Committee of the NBA is constituted as per clause 40 of the Memorandum of Association and Rules. The Finance Committee considers the revised estimates and the budget estimates for the following financial year in August and December of the calendar year respectively.

<b>Sl. No.</b>	<b>Name and address</b>	<b>Chairperson/Member</b>
1	Dr. Surendra Prasad, [Former Director, IIT Delhi] Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi-110016.	Chairperson
2	Ms. Darshana M Dabral, Joint Secretary & Financial Advisor, Integrated Finance Bureau, Ministry of Human Resource Development, Shastri Bhavan, New Delhi – 110001.	Member
3	Prof. Onkar Singh, Vice Chancellor, Madan Mohan Malaviya University of Technology, Deoria Road, Gorakhpur, Uttar Pradesh-273001.	Member
4	Prof. S.G. Deshmukh, Director, ABV-Indian IITM Gwalior, Morena Link Road Gwalior, Madhya Pradesh-474015.	Member
5	Shri NavinSoi, Y-34, Hauz Khas, New Delhi-110016.	Member
6	Dr. Anil K. Nassa, Member Secretary, National Board of Accreditation, 4th Floor, East Tower, NBCC Place, Lodhi Road, New Delhi-110003.	Member
7	Consultant (Finance), National Board of Accreditation	Convener

**b) Academic Advisory Committee:**

The Academic Advisory Committee of the NBA is constituted as per clause 41 of the Memorandum of Association and Rules. It monitors and promotes the activities of NBA with reference to its various activities like assessment, accreditation, publications, selection and shaping of instruments for assessment and accreditation, modalities of operations in-charge, the rules, regulations and guidelines.

Sl. No.	Name and address	Chairperson/Member
1.	Dr. Surendra Prasad [Former Director, IIT Delhi] Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi - 110 016	Chairperson
2.	Prof. S.C. Sahasrabudhe, Director, DAIICT, Near Indroda Circle, Gandhinagar - 382 007, Gujarat	Member (Nominated)
3.	Prof. Manoj Datta , Department of Civil Engineering, Indian Institute of Technology, Hauz Khas, New Delhi – 110 016	Member (Nominated)
4.	Prof Dilip K. Bandyopadhyay Vice Chancellor, Guru Gobind Singh Indraprastha University, 607, Gaur Hights, Sector - 4, Vaishali, Ghaziabad - 201010	Member (Nominated)
5.	Prof. A. H. Kalro, [Former Director, IIMK], Vice Chancellor, AES Bungalow #2, Opposite HL College of Commerce, Commerce Six Roads, Navrangpura, Ahmedabad – 380 009, Gujarat	Member (Nominated)
6.	Dr. Tarun Jha Professor Department of Pharmaceutical Technology, Jadavpur University, Raja S.C. Mullick Road, Kolkata-700032	Member (Nominated)
7.	Sh. Suresh Mahatre, Vice President, Tata Consultancy Services, 10th Floor, Air India Building, Nariman Point, Church Gate Mumbai - 400 021	Member (Nominated)

8.	Mr. P. Dwarakanath (Advisor - Group Human Capital Max India Limited, Max House; 1, Dr. Jha Marg, Okhla Phase III, New Delhi 110020.	Member (Nominated)
9.	Mr. Yogi Sri Ram Senior VP, Corporate HR, L& T, Mumbai, North Block – II, First Floor, Gate No. 1, Powai Campus, Saki Vihar Road, Mumbai – 400 072	Member (Nominated)
10.	Ms. Shalini S. Sharma, Head – Higher Education, Confederation of Indian Industry (CII), Head – Higher Education, Lodhi Road, New Delhi	Member (Nominated)
11.	Ms. Rekha Sethi Director General, All India Management Association, Management House, 14, Institutional Area, Lodhi Road, New Delhi – 110003	Member (Nominated)
12.	Dr. U. Chandrasekhar, Director The Engineering Staff College of India (ESCI) Institution of Engineers GachiBowli, Hyderabad - 500 032.	Member (Nominated)
13.	Mr. Ranjit Shahani, Vice Chairman & Managing Director, Novartis India Ltd., Sandoz House, Dr. Anne Besant Road, Worli, Mumbai – 400 018	Member (Nominated)
14.	Prof. B. Suresh, Vice Chancellor, JSS University, Mysore JSS Medical Institution Campus, Sri Shivarathreeshwara Nagara, Mysore – 570 015, Karnataka.	Member (Nominated)
15.	Dr. Anil K. Nassa, Member Secretary, National Board of Accreditation, 4th Floor, East Tower, NBCC Place, Lodhi Road, New Delhi - 110 003	Member Secretary (ex-officio)



**c) Sub Committees**

The Sub Committees of Academic Advisory Committee of the NBA are constituted as per clause 42 of the Memorandum of Association and Rules. NBA has Sub Committees on each discipline, such as Engineering, Management, Pharmacy and Architecture, etc., which functions separately to evolve standards for assessment and accreditation in their respective fields, forms assessors panel to lay down guidelines for assessor and to evaluate and approve the recommendations of the evaluation and accreditation committee. These sub committees meet frequently as required.

**d) Appellate Committee**

This Committee is headed by a senior academician/professional. The appeals filed by the institutions against the decision of the Sub Committee of Academic Advisory Committee regarding the accreditation of the programme are considered Appellate Committee and further disposed of by the Academic Advisory Committee.

**e) Evaluation and Accreditation Committee**

The NBA has Evaluation and Accreditation Committee for each discipline. These Committees are headed by an academician of eminence having wider experience in her/his profession and accreditation process. These committees consider the report of the visiting teams of expert volunteers with respect to the evaluation of programmes for the purpose of accreditation and make a recommendation to the Sub Committee of the Academic Advisory Committee.

**Officers of NBA**

At present, the following are the officers of the NBA:

- I. Chairperson
- ii. Member Secretary
- iii. Such other officers as may be declared by the Executive Committee.

As per the provision of revised MoA and Rules of the NBA, the Central Government appoints the Chairperson of NBA based on the recommendation of the General Council of NBA and Member Secretary of NBA shall be appointed by the General Council on the recommendation of the Executive Committee.

# CHAPTER 2

## 2. HIGHLIGHTS OF THE YEAR AND NEW INITIATIVES

## 2.1. Important Decisions and Initiatives

### i. Introduction of Pre-Qualifiers for Programs

Similar to UG Engineering, NBA has introduced Pre-Qualifier for the Institutions willing to seek Accreditation of their PG Engineering, Diploma Engineering, UG Pharmacy and PG Management.

Under this new process, the Institution will first be required to pay only 10% of the fee and fill in the pre-qualifier format. These details filled by the Institution in the pre-qualifier format will be evaluated by NBA. In cases, NBA finds that the information provided in the pre-qualifier is in compliance with the requirements; the Institution will be allowed to proceed further regarding submission of 90% Fee and SAR only for those programs which will be in compliance with the essential qualifiers.

In all other cases, NBA will intimate the Institution about the shortcomings found. The Institution may apply for such programs after overcoming the shortcomings.

### ii. Revision of the Duration of Award of Accreditation

NBA has revised the duration of award of accreditation from 5 years to 6 years for full accreditation and from 2 year to 3 years for provisional accreditation for UG Engineering (Tier I/II), Diploma Engineering, UG Pharmacy and PG Management programs being considered for accreditation.

The revised duration will be applicable to the programs of the above mentioned disciplines which have been accredited in outcome based format.

### iii. Finalization of Various Accreditation Documents:

- ☞ Self Assessment Reports of PG Engineering and PG Management Programs.
- ☞ Evaluation Guidelines for UG Pharmacy and PG Management.
- ☞ Evaluation Documents for UG Engineering (Tier I), Diploma Engineering, UG Pharmacy and PG Management.
- ☞ Pre-Visit Report for UG Engineering (Tier I & Tier II) and UG Pharmacy.

### iv. National Institutional Ranking Framework (NIRF), 2017

National Board of Accreditation was given the overall responsibility of coordinating and executing the Ranking work in consultation with the Implementation Core Committee, constituted by the MHRD. NBA invited applications for registration of institutes for ranking in various disciplines and the overall ranking. It coordinated with its collaborators to execute all aspects of the ranking work, including finalization of discipline-specific parameters in consultation with the domain experts and with INFLIBNET Centre – its main collaborator. Details have been given in Chapter 5.

# CHAPTER 3

## 3. ACCREDITATION

The NBA accreditation is the equivalence of a quality assurance scheme for the higher technical education. It is open to all institutions in India which provide technical education to students in Engineering and Technology, Management, Architecture, Pharmacy and other related fields. It accredits the AICTE approved programmes of the technical institutions.

### 3.1. Outcome Based Accreditation

NBA has adopted internationally prevailing outcome-based assessment and accreditation, in which excellence in technical education is evaluated based on the results of the assessment of educational outcomes, rather than on prescriptive input standards. NBA believes that educational quality must be measured by outcomes rather than inputs, because inputs do not necessarily correlate with quality outcomes, since the quality of outcomes is dependent not only on inputs, but also on the processes used by the Institution and its programmes to convert inputs into the defined outcomes. The only accurate way to measure excellence in technical education, therefore, is through the assessment of educational outcomes.

Because of the essential role that educational processes play in determining educational outcomes, NBA has developed accreditation principles based on best practices in education. These principles promote excellence through a benchmarking process, which is helpful in determining why an Institution is able to or not able to achieve its mission, broad based goals, and interpret the results of the outcomes assessment process.

### 3.2. Graduate Attributes

Graduates Attributes (GAs) form a set of individualized assessable outcomes that are the components indicative of the graduate's potential to acquire competence to practice at the appropriate level. The GAs are exemplars of the attributes expected of a graduate from an accredited program. NBA has defined the Graduate Attributes for each discipline. NBA's graduate attributes for undergraduate engineering program are as follows:

- ☞ **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ☞ **Problem Analysis:** Identify, formulate, research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- ☞ **Design/Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- ☞ **Conduct investigations of complex problems:** The problem that cannot be solved by straightforward application of knowledge, theories and techniques applicable to the engineering discipline.

- ☞ **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling of complex engineering activities with an understanding of the limitations.
- ☞ **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- ☞ **Environment and Sustainability:** Understand the impact of the professional engineering solutions to societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- ☞ **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ☞ **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- ☞ **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- ☞ **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- ☞ **Lifelong Learning:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

The NBA has a two-tier system of accreditation for Technical Programmes including undergraduate engineering programmes. The Tier-I document is applicable to the engineering programmes offered by academic autonomous institutions, university departments and constituent colleges of the universities authorized to change the curricula and conduct its own assessment and evaluation for students. as per the requirement of NBA and also have financial autonomy. The Tier-II documents is for the non-autonomous institutions, i.e. those colleges and technical institutions which are affiliated to a university (depends on university for any change in the curriculum as well as for its implementation).

In both Tier-I and Tier-II documents, the same set of criteria have been prescribed for accreditation. In the Tier-I document, the criteria which are based on outcome parameters, namely, program outcomes and program educational objectives have been given more focus, whereas in the Tier-II document, the focus is on the output-based criteria namely, student performance, facilities and technical support and continuous improvement. Also the criteria for Tier-I format is more stringent.

### 3.3. TIER-I: Undergraduate Engineering Programmes

- ☞ Institutions of National importance (Indian Institutes of Technology (IITs), Indian Institute of Science (IISc), Indian Institutes of Information Technology Design and Manufacturing (IIITDM), Indian Institutes of Science Education and Research (IISERs) and Indian Institutes of Information Technology (IIITs).
- ☞ National Institutes of Technology (NITs).
- ☞ Central Universities (Universities established by or under an Act, enacted by the Parliament of India).
- ☞ State Universities (Universities established by or under legislation enacted by the legislature of the concerned States).
- ☞ Private Universities (Universities established by or under legislation enacted by the State legislature, but promoted by private trusts, societies as companies under Section 25 of the Indian Companies Act and regulated under the UGC (Establishment and Maintenance of Standards in Private Universities) Regulations, 2003).
- ☞ Deemed-to-be-Universities (Institutions declared as Deemed-to-be-Universities by Central Government on the recommendation of UGC under Section 3 of the UGC Act 1956).
- ☞ Institutions declared as Autonomous. Such colleges on declaration as autonomous college, enjoys academic autonomy and can develop their own programmes, courses and assessment tools and methods. These could be:
  - Autonomous Government Colleges
  - Autonomous Government Aided Colleges
  - Autonomous Private/Self Financing Colleges

#### The accreditation status that may be granted by NBA under Tier –I as per the defined process:

- Full Accreditation of the program for Six years
- Accreditation of the program may be considered after three months
- Provisional Accreditation of the program for Three years
- No Accreditation of the program.

**Only the UG engineering programmes accredited under Tier –I would come under the ambit of the Washington Accord.**



### 3.4. TIER-II: Engineering/Technical Programmes

The affiliated colleges are those colleges which are dependent on its affiliating universities for running the programmes as designed by the universities. In other words, affiliated colleges are the colleges which deliver the programs prescribed by the university they are affiliated to and does not enjoy privileges of academic autonomy. And only affiliating university is empowered to examine the enrolled students for award of degree.

Non-Autonomous Institutions affiliated to a University:

- Government Colleges
- Government Aided Colleges
- Private/Self Financing Colleges



**NBA Accreditation visit in progress**





**NBA Accreditation visit in progress**



**NBA Accreditation visit in progress**





### NBA Accreditation visit in progress

The accreditation status that may be granted by NBA under Tier –II as per the defined process:

- ☞ Full Accreditation of the program for Six years
- ☞ Provisional Accreditation of the program for Three years
- ☞ No Accreditation of the program.

### 3.5. Standing Committee Meetings and Status of Accreditation

During the period under report NBA has conducted following meetings:

- ☞ Fourteen Moderation Committee meetings,
- ☞ Twenty Two Evaluation and Accreditation Committee meeting
- ☞ Sixteen Sub-committee of Academic Advisory Committee meeting
- ☞ Three Appellate Committee meeting

During this period, 889 programs of various disciplines were considered for accreditation from Engineering/Pharmacy/Management institutions across the country out of which 734 programs got accredited and 155 programs were not accredited. 678 programs of Engineering, 37 programs of Management, 4 programs of MCA and 15 programs of Pharmacy got the accredited. The detailed information is provided in tabulated form in Appendix I.

# CHAPTER 4

## 4.0 TRAINING & DEVELOPMENT

## 4.1 Training programs

With NBA following Outcome Based Accreditation, the need for orientation and awareness in the Faculty members of various institutions was elevated. Given the due consideration, to the large size of technical education in the country, it was decided to conduct the trainings through selected institutions in a partnership/collaboration mode. NBA then identified some good institutions that would act as Nodal Centers for creating awareness and coordinating NBAs training and orientation programmes. Nodal Centers are further responsible for identifying the institutions in their locality as Training Centers and also for coordinating the training programs in Training Centers.

These orientation programmes are aimed at equipping the faculty with the evolving concepts, practices, perspectives and approaches. They also strive to enable participating faculty to develop a sound knowledge base, collaborative analysis and ability to appreciate varied views of a vibrant peer group. The training pedagogies in these programs are aptly aligned to their specific needs and foster a more effective comprehension through participative learning.

On completion of a training program a faculty member is expected have gained knowledge about the following:

- ☞ **NBA Accreditation** – Introduction, Awareness Methodology, Guidelines, benefits, Washington benefits and its advantages.
- ☞ **Outcome Based Accreditation System** – Developing internal methods for assessment of Outcomes and continuous quality improvement systems and processes.
- ☞ How to prepare the SAR and effect improvement during the process.

NBA conducted 8 workshops, creating awareness and training evaluators on outcome based education & accreditation which saw a participation of 933 people.

### Training Programmes

#### A. Awareness Workshops on Outcome Based Education & Accreditation for the Institutions:

S. No.	Venue	Region	Date	No. of Participants
1.	Hyderabad in collaboration with Osmania University, Hyderabad	Engineering Colleges affiliated to Osmania University, Hyderabad and Engineering Colleges in Andhra Pradesh	18/12/2016	245
2.	Chandigarh in collaboration with NITTTR, Chandigarh and IKJPTU, Jalandhar and MESPTU, Bhatinda	Engineering Colleges affiliated to IK Gujral PTU, Jalandhar and Maharaja Ranjit Singh PTU, Bhatinda	21/01/2017	355

**A. Orientation/Interactive Workshops on Outcome Based Education and Accreditation for the Team Chairs/Program Evaluators (PEVs):**

S. No.	Venue	Region	Date	No. of Participants
1.	VJTI, Mumbai	Western Region	14/05/2016	56
2.	Anna University, Chennai	Southern Region	21/05/2016	57
3.	NITTTTR, Chandigarh	Chandigarh and nearby Engineering Colleges	17/09/2016	61
4.	IIT, Kanpur	Kanpur and nearby Engineering Colleges	01/10/2016	52
5.	IIT, Madras	Chennai and nearby Engineering Colleges	12/11/2016	58
6.	India Habitat Centre, New Delhi	Retired Faculty Members from IIT's (Bombay, Delhi, Kanpur, Madras, and Roorkee)	04/02/2017	49



**(L to R) Dignitaries on the dais :** Dr. Jagadeesh Kumar, V., Dean, Academic, IIT Madras; Dr. Anil Kumar Nassa, Member Secretary, NBA; Prof. Surendra Prasad, Chairman, NBA; Prof. Bhaskar Ramamurthy, Director, IIT Madras and Prof. S.C. Sashasrabudhe, Former Director, DAIICT, Gandhi Nagar during the Orientation Workshop on Outcome Based Education and Accreditation held at IIT Madras on 12th Nov 2016.





(L to R) Dignitaries on the dais : Prof. Avichal Kapur, Registrar, HBNI, Mumbai; Dr. Anil Kumar Nassa, Member Secretary, NBA; Prof. Surendra Prasad, Chairman, NBA; Prof. S.C. Sashasrabudhe, Former Director, DAICT, Gandhi Nagar and Prof. R. V. Ranganath, BMS College of Engg., Bangalore. Dr. P. Narayana Samy, Dean, College of Engineering Guindy, Anna University addressing the delegates during the Orientation Workshop on Outcome Based Education and Accreditation held at Anna University, Chennai on 21st May 2016.



Dr. Anil Kumar Nassa, Member Secretary, NBA addressing the delegates during the Orientation Workshop on Outcome Based Education and Accreditation held at Anna University, Chennai on 21st May 2016.

# CHAPTER 5

## 5.0 National Institutional Ranking Framework (NIRF)

## 5.1. Background

The National Board of Accreditation (NBA) is the primary agency that was given the overall responsibility of coordinating and executing the Ranking work in consultation with the Implementation Core Committee, constituted by the MHRD. NBA invited applications for registration of institutes for ranking in various disciplines and the overall ranking. It co-ordinated with its collaborators to execute all aspects of the ranking work, including finalization of discipline-specific parameters in consultation with the domain experts and with INFLIBNET Centre – its main collaborator.

## 5.2. Parameters

The NIRF provides for ranking of institutes in five broad generic parameters, namely: i) Teaching, Learning and Resources; ii) Research and Professional Practice; iii) Graduation Outcome; iv) Outreach and Inclusivity; and v) Perception.

## 5.3. India Rankings 2016

First ever India Rankings were announced on 4th April, 2016. In which top Institutions were awarded ranks in the following four categories 100 Universities, 100 Engineering, 50 Management and 50 Pharmacy.

## 5.4 India Rankings 2017

For India Rankings 2017, the process has been initiated based on the framework comprising of 5 parameters used in the India Rankings 2016 and in this second edition of India Rankings, a total of 2995 institutions have participated this time. This includes 232 Universities, 1024 Engineering Institutions, 546 Management Institutions, 318 Pharmacy Institutions and 637 General Degree Colleges, and others. Many of these have participated in multiple disciplines, adding to a total of 3319 participants across disciplines.

## 5.5 Participation Breakup

### 5.5.1. Participation Numbers for Overall and Discipline Specific Rankings for India Rankings 2017

Discipline	Total No. of Institutes	CFUs & CFTIs	Other Universities
Overall	724	109	239
Engineering	100	756	163
Management	542	25	95
Pharmacy	316	5	62
Architecture	42	4	17
College	535	0	10
Arts	61	12	43
Medical	43	1	28
Law	49	4	28
Total	3319	216	685



## 5.5.2. Region-wise Distribution of Institutes Registered for India Rankings 2017

Discipline/ Region	Overall	Engg.	Management	Pharmacy	Architecture	Colleges	Arts	Medical	Law
North	162	137	106	60	10	69	21	13	13
North-East	36	20	10	5	1	17	2	1	1
South	174	310	137	54	15	81	10	16	7
South-East	113	230	127	80	4	169	9	1	9
East	74	84	38	18	2	27	8	0	4
West	165	226	124	99	10	172	11	12	15
Total	724	1007	542	316	42	535	61	43	49

India Rankings 2017 will be announced on 3<sup>rd</sup> April, 2018 and The Honorable President of India will present the awards to the top institutions on 10th April, 2017 at Rashtrapati Bhawan, New Delhi.

# CHAPTER 6

## 6.0 Finance

## 6.1 Annual Audited Accounts


NATIONAL BOARD OF ACCREDITATION  
NBCC PLACE, EAST TOWER, 4th FLOOR,  
BHISHAM PITAMAH ROAD, PRAGATI VIHAR, NEW DELHI-110 003

BALANCE SHEET AS ON 31st MARCH 2017  
PLAN & NON-PLAN FUND (CONSOLIDATED)

PARTICULARS	SCH	31-03-2017	31-03-2016
<b><u>CORPUS CAPITAL FUND AND LIABILITIES</u></b>			
Corpus/ Capital Fund	1	6,00,00,000.00	6,00,00,000.00
Reserves & Surplus	2	1,22,90,54,917.89	1,05,64,22,497.30
Earmarked/ Endowment Fund	3	-	-
Secured Loans & Borrowings	4	-	-
Unsecured Loans & Borrowings	5	-	-
Deferred Credit Liabilities	6	-	-
Current Liabilities & Provisions	7	3,98,98,786.56	1,52,71,871.08
<b>Total</b>		<b>1,32,89,53,704.45</b>	<b>1,13,16,94,368.38</b>
<b><u>ASSETS</u></b>			
Fixed Assets	8	66,38,602.00	1,26,66,614.00
Investment - From Earmarked/ Endowment Funds	9	-	-
Investments - Others	10	1,19,56,00,000.00	1,02,25,00,000.00
Current Assets, Loans & Advances	11	12,67,15,102.45	9,65,27,754.38
Miscellaneous Expenditure (to the extent not written off or adjusted)			
<b>Total</b>		<b>1,32,89,53,704.45</b>	<b>1,13,16,94,368.38</b>
Significant Accounting Policies	24		
Contingent Liabilities and Notes to Accounts	25		

For Dhar Tiku & Co.  
Chartered Accountants

*(S.K. Shah)*  
Partner



*(Atma Ram)*

(Atma Ram)

Drawing & Disbursing Officer

*(Dr. A.K. Nassa)*

(Dr. A.K. Nassa)

Member Secretary

Date: 23/10/2017  
Place: Delhi

NATIONAL BOARD OF ACCREDITATION  
NBCC PLACE, EAST TOWER, 4th FLOOR,  
BHISHAM PITAMAH ROAD, PRAGATI VIHAR, NEW DELHI-110 003

INCOME & EXPENDITURE ACCOUNT FOR THE PERIOD ENDED ON 31st MARCH 2017

PLAN & NON-PLAN FUND (CONSOLIDATED)

PARTICULARS	SCH	31-03-2017	31-03-2016
<b>A. INCOME</b>			
Income from Sales & Services	12	-	-
Grants/ Subsidies	13	-	-
Fees/ Subscriptions	14	25,75,35,866.00	24,57,66,997.00
Income from Investments	15	-	-
Income from Royalty, Publications etc.	16	-	-
Interest Earned	17	8,41,02,498.00	8,30,70,665.00
Other Income	18	7,946.59	1,35,650.27
<b>Total (A)</b>		<b>34,16,46,310.59</b>	<b>32,89,73,312.27</b>
<b>B. EXPENDITURE</b>			
Establishment Expenses	20	2,13,05,706.00	1,82,16,404.11
Other Administrative Expenses	21	3,01,42,865.00	1,61,45,915.45
Expenditure on Grants, Subsidies etc.	22	-	-
Travel Expenses	23	11,48,60,843.00	9,31,57,091.00
Other Expenses			
Depreciation		27,04,476.00	99,72,908.00
Income Tax for the Financial Year-2011-12		-	-
Income Tax for the Financial Year-2012-13		-	-
<b>Total (B)</b>		<b>16,90,13,890.00</b>	<b>13,74,92,318.56</b>
<b>Balance being excess of Income over Expenditure (A-B)</b>		<b>17,26,32,420.59</b>	<b>19,14,80,993.71</b>
Transfer to Special Reserve			
Transfer to / from General Reserve			
<b>Balance being surplus/ (Deficit) carried to Corpus/ Capital Fund</b>		<b>17,26,32,420.59</b>	<b>19,14,80,993.71</b>
Contingent Liabilities	24		
Significant Accounting Policies and Notes to Accounts	25		

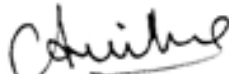
For Dhar Tilak & Co.  
Chartered Accountants

  
(S.K. Sharma)  
Partner



(Atma Ram)

Drawing & Disbursing Officer



(Dr. A.K. Nassa)

Member Secretary

Date: 23/10/2017  
Place: Delhi

## A. Programs Considered for Accreditation in 2016-17

States	CA	ENGG				MGMT	PHAR	Grand Total
		DIP	PG	UG	Total			
Andaman & Nicobar Islands		3			3			3
Andhra Pradesh			15	77	92	6	2	100
Arunachal Pradesh				6	6			6
Assam			4	11	15		1	16
Bihar			4		4	1		5
Chandigarh			8		8			8
Chhattisgarh			1	6	7			7
Delhi	1				0	15		16
Goa					0		1	1
Gujarat			1	12	13	1	1	15
Haryana			8	3	11	1		12
Himachal Pradesh	1				1			1
Jharkhand			9	4	13			13
Karnataka		5	10	56	71	5	1	77
Kerala				23	23		1	24
Madhya Pradesh				12	12	1		13
Maharashtra	1	10	34	74	118	16	4	139
New Delhi				2	2			2
Odisha		2		15	17	2		19
Orissa					0	2		2
Punjab			5	16	21			21
Rajasthan				16	16	3		19
Tamil Nadu	1	1	30	147	178	5	1	185
Telangana			22	61	83	1	2	86
Uttar Pradesh	1	6	6	32	44	4		49
Uttarakhand					0	1		1
West Bengal		5	10	28	43	4	2	49
Grand Total	4	33	167	601	801	69	15	889

## B. No. of Program Accredited in 2016-17

States	CA	ENGG				MGMT	PHAR	Grand Total
		DIP	PG	UG	Total			
Andaman & Nicobar Islands			3			3		3
Andhra Pradesh			9		73	82	4	288
Arunachal Pradesh				6	6			6
Assam			4	10	14		1	15
Bihar			4		4	1		5
Chandigarh			8		8			8
Chhattisgarh			1	6	7			7
Delhi	1				0	6		7
Goa					0	1		1
Gujarat			1	12	13	1	1	15
Haryana			8	3	11	1		12
Himachal Pradesh		1			1			1
Jharkhand			7	4	11			11
Karnataka		5	10	49	64	2	1	67
Kerala				23	23		1	24
Madhya Pradesh				2	2			2
Maharashtra	1	10	34	68	112	11	4	128
New Delhi				2	2			2
Odisha				11	11	2		13
Punjab			5	14	19			19
Rajasthan				11	11	1		12
Tamil Nadu	1	1	30	113	144	3	1	149
Telangana			19	59	78	1	2	81
Uttar Pradesh	1	2	6	20	28	1		30
West Bengal			6	18	24	2	2	28
Grand total	4	22	152	504	678	37	15	734

## C. No. of Program Not Accredited in 2016-17

States	ENGG				MGMT	Grand Total
	DIP	PG	UG	Total		
Andhra Pradesh		6	4	10	2	12
Assam			1	1		1
Delhi				0	9	9
Jharkhand		2		2		2
Karnataka			7	7	3	10
Madhya pradesh			10	10	1	11
Maharashtra			6	6	5	11
Odisha	2		4	6		6
Orissa				0	2	2
Punjab			2	2		2
Rajasthan			5	5	2	7
Tamil nadu			34	34	2	36
Telangana		3	2	5		5
Uttar pradesh	4		12	16	3	19
Uttarakhand				0	1	1
West bengal	5	4	10	19	2	21
Grand total	11	15	97	123	32	155

## **National Board of Accreditation**

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