



**National Board of Accreditation  
New Delhi**



# **ANNUAL REPORT**

**1<sup>st</sup> April 2017 - 31<sup>st</sup> March 2018**

# Annual Report

April 1<sup>st</sup> 2017 to March 31<sup>st</sup> 2018



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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## 1. Preamble

The quality education is the foundation of knowledge, innovation and entrepreneurship that trigger economic growth and prosperity of the individual as well as that of a nation, which, in turn, contributes and strengthens social, economic and scientific culture of a country. The generation and transmission of knowledge through research, according to a study conducted by the World Bank in 1998, has long been recognized as an essential requirement for a country's long-term growth and competitiveness as well as for creating capacity to solve social problems. A robust accreditation system is a pre-requisite for promoting quality conscious system and ensures excellence through a benchmarking process. It helps in building an education system that ensures availability of human resources responsive to the requirements of institutions, industry and governance.

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 assessing and evaluating all institutions of higher education, and to encourage them to be the best. The accreditation aims to ensure accountability of institutions and programs in order to boost public trust and confidence. An institution or a program duly accredited on quality criteria by a reliable accrediting agency is an assurance to students of its overall quality.

The National Board of Accreditation (NBA) accredits programs offered by the technical/professional institutions. NBA uses a multi-pronged approach to ensure that a program seeking accreditation meets international quality standards as defined by experts.

## 2. Organization

The New Education Policy of 1986 recognized the need for a statutory body at the national level for overseeing the growth and quality of technical education in the country. Accordingly, All India Council for Technical Education (AICTE) was established by the Act of Parliament in 1987 with responsibility of proper planning and coordinated development of technical education in the country, 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, applied arts & crafts and such other programs or areas as the Central Government may, in consultation with the Council, by notification in the official Gazette, declare.

The 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.

NBA came into existence as an independent autonomous body with effect from 7<sup>th</sup> January 2010 with the objectives of assurance of quality and relevance to technical education, especially of the programs in professional and technical disciplines, i.e., Engineering and Technology, Management, Architecture, Pharmacy and Hospitality, through the mechanism of accreditation of programs offered by technical institutions. The Memorandum of Association and Rules of NBA were amended in April 2013, to make it completely independent of AICTE, administratively as well as financially. 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 of NBA, which will help the graduates produced by the institutions as per industry requirements.

### 3. Objectives

Major objectives of the NBA are as follows:

- ☞ To assess and accredit the technical education programs;
- ☞ To evolve standards and parameters for assessment and accreditation in line with the parameters laid down by the appropriate statutory regulatory authority for co-ordination, determination and regulation of standards in the concerned field of technical education;
- ☞ To promote excellence through a benchmarking process, which is helpful in determining whether or not an institution is able to achieve its mission and broad based goals, and in interpreting the results of the outcomes assessment process;
- ☞ To promote quality conscious system of technical education where excellence, relevance to market needs and participation by all stakeholders are prime and major determinants.
- ☞ To build a technical education system as facilitator of human resources, that will match the national goals of growth by competence, contribution to economy through competitiveness and compatibility with societal development;
- ☞ To set the quality benchmarks targeted at global and national stockpile of human capital in all fields of technical education;
- ☞ To conduct evaluation of self-assessment of technical institutions and/or programs offered by them on the basis of guidelines, norms and standards specified by it; and
- ☞ To contribute to the domain of knowledge in quality parameters, assessment and evaluation.

## 4. Authorities

The NBA is empowered by its Memorandum of Association (MoA). The governance of NBA is affected through the following statutory committees enshrined in its MoA:

### 4.1. The General Council (GC)

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. The composition of GC as on 31<sup>st</sup>March, 2018 is given in Appendix I.

### 4.2. The Executive Committee (EC)

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). The composition of ECas on 31<sup>st</sup>March, 2018 is given in Appendix II.

### 4.3. The Academic Advisory Committee (AAC)

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. The composition of AACas on 31<sup>st</sup>March, 2018 is given in Appendix III.

### 4.4. Finance Committee(FC)

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. The composition of FCas on 31<sup>st</sup>March, 2018 is given in Appendix IV.

### 4.5. Other Committees and Sub-committees

Besides above mentioned core committees, the NBA also have the following other committees and sub-committees:

#### 4.5.1. Sub Committees of Academic Advisory Committee (AAC)

The Sub-Committees of the AAC are constituted as per clause 42 of the Memorandum of Association and Rules. Sub-committees of AAC is constituted on each discipline, i.e. Engineering, Management and Pharmacy, 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 (EAC). These sub committees meet as frequently as required. The composition of Sub-Committees of the AAC for disciplines of Engineering, Management and Pharmacy, as on 31<sup>st</sup> March, 2018, is enclosed as Appendix V - VII.

#### **4.5.2. Evaluation and Accreditation Committees (EACs)**

EACs are constituted for each discipline. Academicians of eminence having wider experience in their respective professions and accreditation process head these Committees. These Committees consider the report of the visiting teams of expert volunteers with respect to the evaluation of programs for the purpose of accreditation and make a recommendation to the Sub-Committee of the Academic Advisory Committee. The composition of Evaluation and Accreditation Committees for disciplines of Engineering, Management and Pharmacy, as on 31<sup>st</sup> March, 2018, is enclosed as Appendix VIII - X.

#### **4.5.3. Appellate Committee**

Appellate Committee is headed by a senior academician/professional. It considers the appeal filed by the institution against the decision on accreditation of a program by NBA and gives its recommendations to the Academic Advisory Committee (AAC) for further disposal. The composition of Appellate Committees as on 31<sup>st</sup> March, 2018 is enclosed as Appendix XI.

### **5. Officers of NBA**

As per the provision of revised MoA and Rules of the NBA, officers of the NBA include i) Chairperson; ii) Member Secretary; and iii) such other officers as may be declared by the Executive Committee.

The Central Government appoints the Chairperson of NBA based on the recommendation of the its General Council and Member Secretary of NBA is appointed by the General Council on the recommendation of the Executive Committee.

Besides, Chairman and Member Secretary, the NBA hires contractual manpower either directly or outsourced through amanpower agency. NBA is currently using services of BASEL for outsourcing its manpower requirements. A list of staff members of NBA hired on contract for its various activities as on 31<sup>st</sup> March, 2018 is enclosed as Appendix XII.

### **6. Highlights of the Year and New Initiatives**

#### **6.1. Accreditation Workflow Management System (AWMS)**

NBA operates on an online system of accreditation that includes institution registration, submission of application, payment of accreditation fee, submission and processing of pre-qualifier and submission of SAR along with visit dates. It was initially developed and implemented in 2013. This system has elements of human intervention at various levels leading to delay in the process.

Therefore, NBA took a decision to modify the existing system to fully automated system and named it as Accreditation Workflow Management System (AWMS). The AWMS provides automation process of accreditation starting from one-time registration to generation of accreditation report. Its life cycle includes registration, submission of request for accreditation, evaluation process, onsite visit, evaluation reports, and communication amongst evaluators over system and accreditation reports. The AWMS comprises of the following modules:

- i) Registration Module
- ii) Program-specific Application Generation
- iii) Automated Pre-qualifiers Module
- iv) Accreditation Fee Payment Module
- v) e-SAR and Visit Date Submission Module
- vi) Automated Visit Team Composition Module
- vii) Evaluator Workflow Management
- viii) Evaluator's Report Processing Module

The modules mentioned at i) to iv) above have been completed and commissioned after extensive testing. Remaining modules, i.e. vi) to viii) are under development and will be implemented soon after testing.

## **6.2. India Rankings 2017 and 2018 using National Institutional Ranking Framework (NIRF)**

The NBA was given the overall responsibility of coordinating and executing the Ranking of institutions of higher education in India for the years 2017 and 2018 in consultation with the Implementation Core Committee, constituted by the MHRD. NBA invited applications for registration of institutes for ranking in various disciplines as well as for overall ranking. NBA coordinates with its collaborators to execute all aspects of the ranking, including finalization of discipline-specific parameters in consultation with the domain experts and with INFLIBNET Centre – its main collaborator. Details of India Rankings 2017 and 2018 are given at 5.

## **7. Accreditation**

Accreditation is a process of quality assurance and improvement, whereby a programme in an approved institution is critically appraised to verify that the Institution or the programme continues to meet and/or exceed the norms and standards prescribed by regulator from time-to-time. It is a kind of recognition which indicates that a programme or institution fulfills certain standards.

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

### 7.1. Why Accreditation?

The purpose of the accreditation by NBA is to promote and recognize excellence in technical education in colleges and universities - at both the undergraduate and postgraduate levels. Institutions, students, employers, and the public at large all benefit from the external verification of quality provided through the NBA accreditation process. They also benefit from the process of continuous quality improvement that is encouraged by the NBA's developmental approach to promote excellence in technical education. Through accreditation, the following main purposes are served:

- ☞ Support and advice to technical institutions in the maintenance and enhancement of their quality of provision;
- ☞ Confidence and assurance on quality to various stakeholders including students;
- ☞ Assurance of the good standing of an institution to government departments and other interested bodies;
- ☞ Enabling an institution to state publicly that it has voluntarily accepted independent inspection and has satisfied all the requirements for satisfactory operation and maintenance of quality in education.

### 7.2. Impact of Accreditation

The purpose and impact of accreditation goes far beyond quality assurance of an Institution and its programs. Major impacts of accreditation system are summarized below:

- ☞ Encourages quality improvement initiatives by institutions;
- ☞ Improves student enrollment both in terms of quality and quantity;
- ☞ Helps the institution in securing necessary funds;
- ☞ Enhances employability of graduates;
- ☞ Facilitates trans-national recognition of degrees and mobility of graduates and professionals;
- ☞ Motivates faculty to participate actively in academic and related Institutional / departmental activities; and
- ☞ Helps create sound and challenging academic environment in the institution, and contributes to social and economic development of the country by producing high quality technical manpower.

### 7.3. 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. Some of the major benefits enrolled students receive by attending an accredited institution / program are as follows:

- ☞ Accredited institution/program offers the highest quality education available;
- ☞ Employers value degrees of an accredited program the most;
- ☞ Accreditation helps institutions to know their strengths, weaknesses and opportunities, pushes them to continuously improve their programs and give them a new sense of direction, identity and targets;
- ☞ Accredited institution / program demonstrates accountability to the public and commitment to excellence and continuous quality improvement;

### 7.4. Who Gets Accredited?

Individuals, courses, and institutions are not accredited. NBA only accredits programs in Engineering, Computer Application, Pharmacy, Management, Hotel Management and Catering Technology.

### 7.5. Accreditation Policy

#### 7.5.1. General Information on Accreditation

The following general policies are the guiding principles for accreditation of programs offered by various technical institutions:

- i) NBA accredits selected technical Programs of institutions and not the Institutions or its Departments / Centres as a whole.
- ii) Institutions are invited to apply for accreditation through eNBA portal as per norms prescribed by NBA from time-to-time.
- iii) Programs to be accredited should be offered by an educational Institution, which has been formally approved by the AICTE or the concerned regulatory authority.
- iv) Programs from which at least two batches of students have graduated are considered for accreditation. The program should continuously be running without break with approval of the concerned regulatory authority during the whole duration of last two batches (for example: 5 years for UG engineering, 3 years for PG engineering, etc.).
- v) The institution is required to pay accreditation fee as prescribed by NBA from time-to-time. The application fee is payable in two phases – 10 per cent at the time of submission of Pre-Qualifiers and balance 90 per cent fee at the time of submission of SAR once the Pre-Qualifiers are approved.

- vi) The institution must submit Self-Assessment Report (SAR) online through e-NBA portal in the prescribed format in respect of each program proposed for accreditation.
- vii) The title of a program to be accredited must be the same as shown on the graduating student's degree and the approval letters of the concerned regulatory authority.
- viii) Visiting Team, while evaluating the programs, should ascertain overlapping of resources and faculty for programs in an institution where AICTE has granted approval for 1st shift and 2nd shift.
- ix) Part-time programs are not considered for accreditation.
- x) Programs are evaluated in accordance with the accreditation criteria as specified by NBA.
- xi) Institutions are required to represent the accreditation status of each program accurately and without ambiguity. If accreditation is withdrawn or discontinued or expires, the institution should no longer refer to the program as accredited.
- xii) A two/three day's onsite visit is a part of the accreditation process. A Visiting Team appointed by the NBA carries out the evaluation of the program. The institution is required to propose such sets of dates for the visit when the regular classes and all academic activities of the program applied for, are going on.
- xiii) Institutions have the option of withdrawing a program during the exit meeting of the visit. The institution shall handover a written request to the Team chair during the exit meeting. No communication regarding withdrawal will be accepted after the visiting team has left the institution. No fee would be refunded in such cases.
- xiv) The final decision made by the NBA is communicated to the educational institution, together with comments detailing strengths, weaknesses and scope for improvement.
- xv) In the event of non-accreditation of a program, reasons for the same are also communicated by NBA to the institution.
- xvi) If an institution is not satisfied with the decision of NBA regarding accreditation status, it may appeal against the decision to the Appellate Committee (AC) of NBA within 30 days of receipt of the communication.
- xvii) Commencement of Accreditation Period:
  - a) In case visit of the Expert (Visiting) Team to an Institution is conducted between 1st July - 31st December, the Period of accreditation would commence from the on-going academic year (i.e. with effect from 1st July of the on-going academic year).

- b) In case visit is conducted between 1st January to 30th June, the accreditation period would be from the next academic year (i.e. with effect from 1st July of the next academic year).
  - c) Same rules apply for deciding the validity period of accreditation periods of programs in appeal cases also.
- xviii) If a program is 'not accredited' or withdrawn during the visit, a fresh application for accreditation of the same program can be considered one year after the date of previous visit of the Visiting Team.
- xix) If an institution requests postponement of the visit of the expert team after the team has already been constituted for the purpose, an additional fee of 25% shall be required to be paid before the visit is rescheduled. If the institution causes cancellation of the visit after the team has already been constituted for the purpose, there would be a cancellation fee of 25% deducted from the fees paid by the institution. In case, an institution requests for withdrawal of the program(s) applied by it after application has been approved by the NBA for further processing and the fee has been paid by the institution, 10% of the accreditation fee per program may be deducted while refunding the fee as per the request of the institution.
- xx) For consideration of accreditation of Post Graduate program, it is mandatory that the corresponding Under Graduate program should have valid accreditation. However, this does not apply in cases for special PG programs that may not have a corresponding UG program. The special PG programs will be considered on case-to-case basis.

### 7.5.2. Outcome-based Education and 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 programs 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.

Outcome-based education is targeted at achieving desirable outcomes (in terms of knowledge, skills, attitudes and behaviour) at the end of a program. Teaching with this awareness and making the associated effort constitutes outcome-based education. This entails a regular methodology for ascertaining the attainment of outcomes, and bench marking these against the program outcomes consistent with the objectives of the program.

## 7.6. 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:

- i) **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ii) **Problem Analysis:** Identify, formulate, review research literature, and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- iii) **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.
- iv) **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions for complex problems:
  - ☞ that cannot be solved by straightforward application of knowledge, theories and techniques applicable to the engineering discipline as against problems given at the end of chapters in a typical text book that can be solved using simple engineering theories and techniques;
  - ☞ that may not have a unique solution. For example, a design problem can be solved in many ways and lead to multiple possible solutions;
  - ☞ that require consideration of appropriate constraints / requirements not explicitly given in the problem statement such as cost, power requirement, durability, product life, etc.;
  - ☞ which need to be defined (modelled) within appropriate mathematical framework; and
  - ☞ that often require use of modern computational concepts and tools, for example, in the design of an antenna or a DSP filter.
- v) **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.



- vi) 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.
- vii) Environment and Sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- viii) Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ix) Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- x) 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.
- xi) 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.
- xii) Life-long 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.

### **7.7. Two-tier System of Accreditation for Technical Programs**

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

In both Tier-I and Tier-II system of accreditation, the same sets 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 system of accreditation, 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.



### 7.7.1. TIER-I: Undergraduate Engineering Programs

Universities, deemed universities, university departments and autonomous institutions that offer undergraduate engineering / technology programs, qualify for Tier I accreditation by the NBA. These institutions have freedom to design, develop and update curricula and also have complete academic autonomy. Only the Undergraduate Engineering programs offered by Tier-I institutions which are accredited by NBA fall under the ambit of Washington Accord (WA). Categories of institutions that qualify for Tier I accreditation through NBA are given below:

- ☞ Institutions of National importance (Indian Institutes of Technology (IITs), Indian Institute of Science (IISc), Indian Institutes of Information Technology Design and Manufacturing (IIITDM) and Indian Institutes of Information Technology (IIITs).
- ☞ National Institutes of Technology (NITs).
- ☞ Central Universities (Universities established by or under Act enacted by 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, companies under Section 25 of Indian Companies Act).
- ☞ Deemed-to-be-Universities (Institutions declared as Deemed-to-be-Universities by MHRD).
- ☞ Institutions declared as Autonomous by a competent empowered authority.

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.

### 7.7.2. TIER-II: Engineering / Technical Programs

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 that deliver the programs prescribed by the university they are affiliated to and do not enjoy privileges of academic autonomy. The affiliating university is empowered to conduct examination of enrolled students for award of degree.

Non-Autonomous institutions affiliated to a University include:

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

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

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

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

During the period under report NBA has conducted following meetings:

- ☞ Fifteen (15) Meetings of the Moderation Committee,
- ☞ Twenty Five (25) Meetings of the Evaluation and Accreditation Committee
- ☞ Eighteen (18) Meetings of the Sub-committee of Academic Advisory Committee
- ☞ Five (5) Meetings of the Appellate Committee

During this period, 1076 programs of various disciplines were considered for accreditation from Engineering/Pharmacy/Management institutions across the country out of which 867 programs got accredited and 209 programs were not accredited. Out of 867 programs that got accredited, 800 programs of Engineering, 37 programs of Management, 9 programs of MCA and 20 programs of Pharmacy got accredited. The detailed information is provided in tabulated form in Appendix XII to XIV.

### 7.7.4. International Recognition: International Engineering Agreements

#### 7.7.4.1. Washington Accord

The Washington Accord is an international and multi-lateral agreement among bodies responsible for accrediting undergraduate engineering degree programs, originally signed among six countries in 1989. It recognizes the substantial equivalency of programs accredited by bodies that are its signatory and recommends that graduates of programs accredited by any of the signatory bodies be recognized mutually as having met the academic requirements for entry to the practice of engineering in the area of their jurisdiction. The NBA became a provisional member of the Washington Accord (WA) in 2007 and was given the status of permanent signatory 13<sup>th</sup> June 2014. As of now, there are 20 nations that are signatory of the Washington Accord.

As per Washington Accord agreement, recognition of programs by other signatories applies only to programs accredited by NBA that are offered by education providers accepted by NBA as Tier 1 Institutions.

Recognition of graduates of programs accredited by any signatory by registering of licencing bodies in other signatory jurisdictions is subject to the following restriction. The graduate must have completed the programme:

- ☞ Later than the date of admission of the accrediting signatory; and
- ☞ During the period of validity of the accreditation(which may have commenced prior to the date of admission).

Only students who graduate during the validity period of accreditation of a course will be deemed to have graduated with an NBA accredited degree.

#### **7.7.4.2. Membership of Network of Accreditation Bodies for Engineering Education in Asia (NABEEA)**

Membership of Network of Accreditation Bodies for Engineering Education in Asia (NABEEA) is a network of accreditation bodies in Asia. The network promotes engineering education and develops mutual cooperation towards better accreditation system in Asia. NBA acquired the membership of NABEEA in 2011.

## **8. Training & Development**

### **8.1. Training programmes**

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 has identified a number of good institutions that would act as Nodal Centres for creating awareness and coordinating NBA's training and orientation programmes. Nodal Centres are further responsible for identifying the institutions in their locality as Training Centres and also for coordinating the training programs in Training Centres.

These orientation programmes are aimed at equipping the faculty with the evolving concepts, practices, perspectives and approaches. These programmes 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.

## 8.2. Training Programmes

The following two Awareness Workshops on Outcome-based Education & Accreditation were organized during the year under report:

Sl.No.	Venue	Region	Dates	No. of Participants
1.	Kolkata In collaboration with Maulana Abdul Kalam Azad University of West Bengal	Engg. Colleges in West Bangal	28-05-2017	152
2.	Coimbatore In collaboration with Anna University Regional Centre Coimbatore	Engg. Colleges in Coimbatore Region of Tamil Nadu	25-11-2017	286
			Total	438

The following Orientation/Interactive Workshops on Outcome-based Education and Accreditation was organized for the Team Chairs/Program Evaluators (PEVs):

Sl.No.	Venue	Region	Dates	No. of Participants
1.	<b>Kharagpur</b> In collaboration with IIT Kharagpur	For faculty of IIT Kharagpur	27-05-2017	52
			Total	438





Prof. Surendra Prasad, Chairman, NBA addressing the delegates of an Awareness Workshop on Outcome based Education & Accreditation held at Anna University Regional Centre, Coimbatore on 25th Nov. 2017



View of delegates of an Awareness Workshop on Outcome based Education & Accreditation held at Anna University Regional Centre, Coimbatore on 25th Nov., 2017

## 9. India Rankings 2017 and 2018 under National Institutional Ranking Framework (NIRF)

### 9.1. India Rankings 2017

"India Rankings 2017" using National Institutional Ranking Framework (NIRF), was launched by Shri Prakash Javadekar, Hon'ble Union Minister of Human Resource Development, Government of India on 3th April, 2017 at Shastri Bhawan, New Delhi. The Centre played a pivotal role in this process along with NBA. Details of ranked institutions are available at [www.nirfindia.org](http://www.nirfindia.org). India Rankings 2017 gave a common overall rank to all major institutes, and in addition, a separate rank were given for the Universities, and domain-specific rank were given to institutions in the disciplines of Engineering, Management and Pharmacy. General degree colleges were also ranked for the first time in the year 2017.

### 9.2. India Rankings 2018

The stage for launching India Rankings 2018 was set successfully for the third consecutive year with NBA playing a pivotal role in the process. The NIRF provides for ranking of institutes under 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. Figure 1 given below, provides an outline of the sub-parameters for each of the five generic parameters. However, some of the sub-parameters had to be dropped due to serious lack of reliability and consistency of data from applicant institutions.

India Rankings 2018 continued with the practise of providing a common overall rank and in addition, a separate rank for Universities, and discipline-specific ranks for the disciplines of Engineering, Management and Pharmacy as well as three new discipline-specific ranks in Law, Medical and Architecture. General degree colleges are also being ranked for the second consecutive year with much larger participation of colleges.



- Student Strength including Doctoral Students (SS)
- Faculty-student ratio with emphasis on permanent faculty (FSR)
- Combined metric for Faculty with PhD (or equivalent) and Experience (FQE)
- Financial Resources and their Utilisation (FRU)

- ← Combined metric for Publications (PU)
- ← Combined metric for Quality of Publications (QP)
- ← IPR and Patents: Filed, Published, Granted and Licensed (IPR)
- ← Footprint of Projects and Professional Practice and Executive Development Programs (FPPP):



- Combined % for Placement, Higher Studies, and Entrepreneurship (GPHE)
- Metric for University Examinations (GUE)
- Median Salary (GMS)
- Metric for Graduating Students Admitted into Top Universities (GTOP)
- Metric for Number of Ph.D. Students Graduated (GPHD)

- ← Percent Students from other states/countries (Region Diversity RD)
- ← Percentage of Women (WF) + (WS) + (WA)
- ← Economically and Socially Challenged Students (ESCS)
- ← Facilities for Physically Challenged Students (PCS)



- Peer Perception: Employers and Research Investors (PREMP)
- Peer Perception: Academics (PRACD)
- Public Perception (PRPUB)
- Competitiveness (PRCMP)

Fig. 1. NIRF Parameters for Ranking of Institutes

### 9.2.1. India Rankings 2018: Participation Profiles

Institutes desirous of participating in the India Rankings 2018 were invited to register on the NIRF Web portal and submit their applications online for overall ranking as well as for one or more disciplines along with relevant data in the given format. The final picture of participation is summarised in Tables No.1 and 2.

India Rankings 2018 is scheduled for launch by Shri Prakash Javadekar, Hon'ble Union Minister of Human Resource Development, Government of India on 3<sup>rd</sup> April, 2018 at Vigyan Bhawan, New Delhi.

Category / Discipline	Total No. of Institutes	CFTIs & CFUs	Other Universities
Overall	957	89	315
Engineering	906	60	154
Management	487	26	100
Pharmacy	286	4	57
Architecture	59	8	27
College	1087	1	10
Medical	101	2	40
Law	71	4	41
Total	3954	194	744

**Table 1: Number of Participating Institutions for Overall and Discipline Specific Rankings**

Discipline / Region	Engg.	Mgmt.	Pharmacy	Architecture	Colleges	Medical	Law	Overall
North	180	69	27	17	17	49	4	8
North-east	24	121	101	45	0	113	29	21
South	276	17	7	3	17	50	1	3
South-east	190	285	130	51	6	308	37	9
East	74	226	119	80	6	326	6	11
West	213	188	103	90	13	241	24	19
Total	957	906	487	286	59	1087	101	71

**Table 2: Region-Wise Distribution of Institutes Registered for India Rankings 2018**



## 10. Right to Information (RTI) Act

In accordance with the provisions of Section 4(1) (b) of this Act, the NBA has put information and guidance of the stakeholders and the general public and hosted the same on the website of the NBA at <http://www.nbaind.org>. In terms of section 5(2) of the Right to Information Act 2005, the Member Secretary of the NBA is designated as Appellate Authority / Nodal Officer for all matters concerning to the NBA. The detailed information about RTI and responsible officers appointed for are available on the Centre's website.

## 11. Financial Status


A gist of Audited Annual Accounts of NBA for the Financial Year 2017-2018 and extract on income and expenditure during the Financial Year 2017 – 2018 is given below.

**National Board of Accreditation**  
**NBCC Place, East Tower, 4th Floor**  
**Bhisham Pitamah Road, Pragati Vihar, New Delhi-110 003**

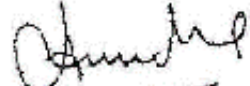
**BALANCE SHEET AS ON 31st MARCH 2018**

<b>PARTICULARS</b>	<b>31-03-2018</b>	<b>31-03-2017</b>
<b><u>CORPUS CAPITAL FUND AND LIABILITIES</u></b>		
Corpus/ Capital Fund	6,00,00,000.00	6,00,00,000.00
Reserves & Surplus	1,32,60,53,885.29	1,22,90,54,917.89
Earmarked/ Endowment Fund	-	-
Secured Loans & Borrowings	-	-
Unsecured Loans & Borrowings	-	-
Deferred Credit Liabilities	-	-
Current Liabilities & Provisions	3,39,33,239.27	3,98,98,786.56
<b>Total</b>	<b>1,41,99,87,124.56</b>	<b>1,32,89,53,704.45</b>
<b><u>ASSETS</u></b>		
Fixed Assets	1,09,44,441.40	66,38,602.00
Investment - From Earmarked/ Endowment Funds	-	-
Investments - Others	1,26,08,87,431.00	1,19,56,00,000.00
Current Assets, Loans & Advances	14,81,55,252.16	12,67,15,102.45
Miscellaneous Expenditure (to the extent not written off or adjusted)		
<b>Total</b>	<b>1,41,99,87,124.56</b>	<b>1,32,89,53,704.45</b>

  
  
 Gaurav K Arora & Co.  
 Chartered Accountants  
 FRN: - 025899N

  
 (Ravjit Singh)

Drawing & Disbursing Officer

  
 (Dr. A.K. Natta)


Member Secretary

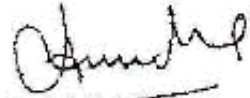
<b>Income and Expenditure Account for the FY 2017 - 2018</b>	
<b>Items of Income / Expenditure</b>	<b>Amount in Rupees as on 31-03-2018</b>
<b>A. INCOME</b>	
Fees/ Subscriptions	21,79,41,158.00
Interest Earned	8,43,44,145.00
Other Income	29,246.00
<b>Total (A)</b>	<b>30,23,14,549.00</b>
<b>B. EXPENDITURE</b>	
Establishment Expenses	1,99,93,508.00
Other Administrative Expenses	2,27,64,679.00
Travel Expenses	15,79,58,846.00
Depreciation	45,98,548.60
<b>Total (B)</b>	<b>20,53,15,581.60</b>
Balance being excess of Income over Expenditure (A-B)	9,69,98,967.40
<b>Balance being surplus/ (Deficit) carried to Corpus/ Capital Fund</b>	<b>9,69,98,967.40</b>

**Income and Expenditure Account for the FY 2017 - 2018**



  
 Gaurav K Arora & Co.  
 Chartered Accountants  
 FRN: - 025889N


  
 (Ravjit Singh)


  
 (Dr. A.K. Natta)

Drawing & Disbursing Officer      Member Secretary

## General Council (GC)

(as on 31<sup>st</sup> March, 2018)

1. **Prof. Surendra Prasad** (Chairperson)  
(Former Director, IIT Delhi)  
Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi-16
2. **Sh. Vinay Sheel Oberoi** (Member (ex-officio))  
Secretary,  
Deptt. Of Higher Education  
Ministry of HRD, Shastri Bhavan, New Delhi – 110003
3. **Prof. D.S. Chauhan** (Member (ex-officio))  
President  
Association of Indian Universities  
Comrade Indrajit Gupta Marg (Kotla Marg)  
Near I.T.O., New Delhi-110 002
4. **Prof. S. C. Sahasrabudhe** (Nominated Member)  
Former Director  
Dhirubhai Ambani Institute of Information and Communication Technology (DAIICT)  
Gandhinagar, Gujarat
5. **Dr. P.N. Razdan** (Nominated Member)  
Vice Chancellor, Dr.D.Y. Patil Vidyapeeth, Pune  
Sant Tukaram Nagar, Pimpri, Pune-411018, Maharashtra
6. **Shri V. Kovaichelvan** (Nominated Member)  
Senior Vice President (HR)  
TVS Motor Company Ltd., Post Box. No. 4, Harita  
Hosur-635109, Tamil Nadu
7. **Prof. S.G. Deshmukh** (Nominated Member)  
Director, ABV-Indian Institute of Information Technology and Management Gwalior, Morena Link  
Road, Gwalior, Madhya Pradesh-474015
8. **Prof. C.V.R. Murty** (Nominated Member)  
Director, Indian Institute of Technology, Jodhpur  
Old Residency Road, Ratanada, Jodhpur-342011
9. **Prof. Mihir Kanti Chaudhuri** (Nominated Member)  
Vice Chancellor  
Tezpur University, Office of the Vice Chancellor, Tezpur University, Tezpur-784028

- 10. Prof. Parimal H. Vyas** (Nominated Member)  
Vice Chancellor  
M.S. University of Baroda, Pratapgunj  
Pratapgunj, Vadodara- 390002, Gujarat
- 11. Prof. Onkar Singh** (Nominated Member)  
Vice Chancellor  
Madan Mohan Malaviya University of Technology  
Deoria Road, Gorakhpur, Uttar Pradesh-273001
- 12. Prof. Janat Shah** (Nominated Member)  
Director  
Indian Institute of Management  
Polymer Science Building, Mohanlal Sukhadia University Campus, University Road, Ganesh Nagar,  
Udaipur, Rajasthan-313 001
- 13. Prof. Chetan Vaidya** (Nominated Member)  
Director,  
School of Planning and Architecture  
4-Block-B, Indraprastha Estate, New Delhi-110002
- 14. Prof. B. B. Ahuja** (Nominated Member)  
Director  
College of Engineering, Pune 411 005, Maharashtra
- 15. Dr. Alka Mahajan** (Nominated Member)  
Director,  
Institute of Technology  
Nirma University, Sarkhej-Gandhinagar Highway  
Post: Chandlodia, Via: Gota, Ahmedabad-382 481
- 16. Dr. Pratima Tatke** (Nominated Member)  
Principal  
C.U. Shah College of Pharmacy  
SNDT Women's University, Sir Vithaldas, Thakersay, Santacruz West, Juhu, Mumbai
- 17. Dr. Anil K. Nassa** (ex-Officio)  
Member Secretary  
National Board of Accreditation  
4th Floor, East Tower  
NBCC Place, Lodhi Road, New Delhi - 110 003

**Executive Committee****(as on 31<sup>st</sup> March, 2018)**

- 1 Prof. Surendra Prasad (Chairperson)**  
[Former Director, IIT Delhi]  
Department of Electrical Engineering,  
IIT Delhi, HauzKhas, New Delhi - 110 016
- 2 Prof. Anil D. Sahasrabudhe**  
Chairman,  
All India Council for Technical Education, Nelson Mandela Marg, Vasant Kunj  
New Delhi-110067
- 3 Sh. R Subramanyam**  
Additional Secretary (T),  
Department of Higher Education  
Ministry of Human Resource Development  
Government of India, Shastri Bhawan  
New Delhi – 110001
- 4 Smt. Ranjeev R. Acharya**  
IAS, Principal Secretary  
Telangana Secretariat,  
Tankbund, Basheer Bagh, Near NTR Gardens, Telangana, Hyderabad,  
Telangana-500022
- 5 Smt. Punya S. Srivastava**  
IAS, Secretary,  
(Higher Education/T.T.E.), Directorate of Education, Old Secretariat, Civil Line  
New Delhi-110054
- 6 Smt. Nila Mohanan**  
IAS, Secretary,  
Directorate of Education, Goa, Porvorim, Goa-403521
- 7 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
- 8 Prof. Manoj Datta**  
Department of Civil Engineering  
Indian Institute of Technology, Hauz Khas  
New Delhi – 110 016

- 9 **Prof. S.G. Deshmukh**  
Director,  
ABV-Indian Institute of Information Technology  
and Management Gwalior, Morena Link Road, Gwalior  
Madhya Pradesh-474015
- 10 **Prof. Parimal H. Vyas**  
Vice Chancellor  
The M.S. University of Baroda  
Pratapgunj, Pratapgunj, Vadodara, Gujarat- 390002
- 11 **Prof. B. B. Ahuja**  
Director  
College of Engineering, Pune, Maharashtra-411 005
- 12 **Ms. Shalini S. Sharma**  
Head-Higher Education  
Confederation of Indian Industry (CII)  
Lodhi Road, New Delhi
- 13 **Mr. Yogi Sri Ram**  
Senior VP  
Corporate HR  
L&T, Mumbai, North Block-II, First Floor, Powai Campus, Saki Vihar Road, Mumbai-400 072
- 14 **Shri Rajesh Uppal**  
Executive Director (IT) & CIO, Maruti Udyog Limited, Palam Gurgaon Road, Gurgaon- 122 015
- 15 **Shri V. Kovaichelvan**  
Senior Vice President (HR)  
TVS Motor Company Ltd., Post Box. No. 4, Harita, Hosur-635109
- 16 **Prof. S. C. Sahasrabudhe**  
Former Director  
Dhirubhai Ambani Institute of Information and Communication Technology [DAIICT]  
Gandhinagar, Gujarat
- 17 **Dr. P. N. Razdan**  
Vice Chancellor  
Dr. D.Y. Patil Vidyapeeth, Pune, Sant Tukaram Nagar Pimpri, Pune-411018, Maharashtra
- 18 **Dr. Anil K. Nassa**  
Member Secretary  
National Board of Accreditation  
4th Floor, East Tower  
NBCC Place, Lodhi Road  
New Delhi - 110 003

### Academic Advisory Committee

(as on 31<sup>st</sup> March, 2018)

1. **Prof. Surendra Prasad**  
[Former Director, IIT Delhi] Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi - 110 016
2. **Prof. S.C. Sahasrabudhe**  
Director,  
Dhirubhai Ambani Institute of Information and Communication Technology [DAIICT],  
Near Indroda Circle, Gandhinagar - 382 007, Gujarat
3. **Prof. Manoj Datta**  
Department of Civil Engineering  
Indian Institute of Technology  
Hauz Khas, New Delhi – 110 016
4. **Prof Dilip K. Bandyopadhyay**  
Vice Chancellor  
Guru Gobind Singh Indraprastha University  
607, Gaur Hights, Sector - 4, Vaishali  
Ghaziabad Delhi – 201010
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
6. **Dr. Tarun Jha**  
Professor, Department of Pharmaceutical Technology  
Jadavpur University  
Raja S.C. Mullick Road, Kolkata-700032
7. **Sh. Suresh Mahatre**  
Vice President, Tata Consultancy Services  
10th Floor, Air India Building, Nariman Point  
Church Gate Mumbai - 400 021
8. **Mr. P. Dwarakanath**  
(Advisor - Group Human Capital  
Max India Limited, Max House; 1, Dr. Jha Marg, Okhla Phase III, New Delhi 110020
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



- 10. Ms. Shalini S. Sharma**  
Head – Higher Education  
Confederation of Indian Industry (CII)  
Head – Higher Education, Lodhi Road, New Delhi
- 11. Ms. Rekha Sethi**  
Director General  
All India Management Association  
Management House, 14, Institutional Area  
Lodhi Road, New Delhi – 110003
- 12. Dr. U. Chandrasekhar**  
Director, The Engineering Staff College of India (ESCI)  
Institution of Engineers GachiBowli  
Hyderabad - 500 032
- 13. Mr. Ranjit Shahani**  
Vice Chairman & Managing Director  
Novartis India Ltd., Sandoz House  
Dr. Anne Besant Road, Worli, Mumbai – 400 018
- 14. Prof. B. Suresh**  
Vice Chancellor, JSS University, Mysore  
JSS Medical Institution Campus  
Sri Shivarathreeshwara Nagara  
Mysore – 570 015, Karnataka
- 15. Dr. Anil K. Nassa**  
Member Secretary  
National Board of Accreditation, 4th Floor, East Tower,  
NBCC Place, Lodhi Road, New Delhi - 110 003

**Finance Committee****(as on 31<sup>st</sup> March, 2018)**

- 1 Prof. Surendra Prasad**  
[Former Director, IIT Delhi]  
Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi-110016
- 2 Ms. Darshana M Dabral**  
Joint Secretary & Financial Advisor  
Integrated Finance Bureau  
Ministry of Human Resource Development, Shastri Bhavan  
New Delhi – 110001
- 3 Prof. Onkar Singh**  
Vice Chancellor,  
Madan Mohan Malaviya University of Technology,  
Deoria Road, Gorakhpur, Uttar Pradesh-273001
- 4 Prof. S.G. Deshmukh**  
Director,  
ABV-Indian Institute of Information Technology  
and Management Gwalior, Morena Link Road Gwalior,  
Madhya Pradesh-474015
- 5 Shri NavinSoi**  
Y-34, Hauz Khas, New Delhi-110016
- 6 Dr. Anil K. Nassa**  
Member Secretary,  
National Board of Accreditation, 4th Floor, East Tower,  
NBCC Place, Lodhi Road, New Delhi-110003
- 7 Consultant (Finance)**  
National Board of Accreditation

**Sub-Committee of Academic advisory Committee for Engineering****(SCAAC\_Engg.)****(As on 31<sup>st</sup> March, 2018)**

1. **Prof. Surendra Prasad**  
(Former Director, IIT Delhi)  
Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi-16
2. **Prof. S.C. Sahasrabudhe**  
Former Director  
Dhirubhai Ambani Institute of Information and Communication technology [DAIICT]  
Near Indroda Circle, Gandhinagar - 382 007, Gujarat
3. **Prof. Manoj Datta**  
Department of Civil Engineering  
Indian Institute of Technology  
Hauz Khas, New Delhi – 110 016
4. **Sh. Suresh Mhatre**  
[Former Vice President, Tata Consultancy Services]  
26, Walchand Terraces, Tardeo Road, Opp. Tardeo A.C. Market, Mumabi-400034  
Maharashtra
5. **Mr. Yogi Sri Ram**  
Senior VP, Corporate HR  
L& T, Mumbai  
Powai Campus, Saki Vihar Road, Mumbai
6. **Ms. Shalini S. Sharma**  
Principal-Education and Innovation  
Confederation of Indian Industry (CII)  
Gurgaon, Haryana
7. **Dr. U. Chandrasekhar**  
[Former Additional Director - GTRE DRDO & Director ESCI]  
Pro Vice Chancellor of Veltech Dr. RR & Dr. SR University &  
Chennai - 600 062 Tamil Nadu

**Sub-Committee of Academic advisory Committee for Management (SCAAC\_Management)****(As on 31<sup>st</sup> March, 2018)**

1. **Prof. Surendra Prasad (Chairperson)**  
(Former Director, IIT Delhi)  
Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi-16
2. **Prof. A. H. Kalro**  
[Former Director, IIMK] Prof. Emeritus, Ahmedabad University  
Academic Adviser, Ahmedabad Education Society, University Road, Navrangpura  
Ahmedabad 380 009
3. **Prof Dilip K. Bandyopadhyay**  
Chief Advisor (FPO); Chairman (Amity Law Schools, School of Eng. & Tech. & Institute of Education) (Former Vice Chancellor GGS IP University, New Delhi)
4. **Mr. P. Dwarakanath**  
Advisor - Group Human Capital Max India Limited,  
Max House; 1, Dr. Jha Marg, Okhla Phase III, New Delhi 110020
5. **Ms. Rekha Sethi**  
Director General, All India Management Association  
Management House, 14, Institutional Area, Lodhi Road,  
New Delhi – 110003

**Sub-Committee of Academic advisory Committee for Pharmacy (SCAAC\_Pharmacy)****(as on 31<sup>st</sup> March, 2018)**

1. **Prof. Surendra Prasad**  
(Former Director, IIT Delhi)  
Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi-16
2. **Prof. Tarun Jha**  
Professor, Department of Pharmaceutical Technology  
Jadavpur University, Raja S.C. Mullick Road 711 103  
Kolkata-700032
3. **Mr. Ranjit Shahani**  
[Former President, Organisation of Pharmaceutical Producers of India, Peninsula Corporate Park,  
Peninsula Chamber, G. K. Marg, Lower Parel, Mumbai]  
Vice Chairman & Managing Director,  
Novartis India Ltd., Sandoz House, Dr. Anne Besant Road, Worli, Mumbai – 400 018
4. **Prof. B. Suresh**  
President, Pharmacy Council of India, Vice Chancellor, JSS University, Mysore  
JSS Medical Institution Campus, Sri Shivarathreeshwara Nagara,  
Mysore – 570 015 Karnataka

## Engineering Evaluation &amp; Accreditation Committee (EEAC) (TIER - I)

(as on March 31, 2018)

1. **Prof. D. P. Agarwal**  
Former Chairman, UPSC
2. **Prof. I. K. Bhat**  
(Former Director, MNIT, Jaipur, Rajasthan)  
Professor, Applied Mechanical Department  
Motilal Nehru National Institute of Technology, Allahabad, U.P. 211004
3. **Prof. Swapan Bhattacharya**  
(Former Director, NIT, Durgapur and NIT, Surathkal)  
Professor, Dept. of Computer Science & Engineering  
Jadavpur University, Kolkata
4. **Dr. Abhijit Chakarabarty**  
Professor, Dept. of Electrical Engg., Indian Institute of Engineering Science & Technology (IEST),  
Shibpur, Howrah - 711 103  
(Former Vice Chancellor, Jadavpur University, Kolkata and Former VC & Chairman (Acts), West  
Bengal State Council of Higher Education, Kolkata)  
e-mail: achakrabarti58@gmail.com
5. **Prof. Tarun Kant**  
Institute Chair Professor  
Dept. of Civil Engg.  
Indian Institute of Technology, Powai, Mumbai 400 076, Maharashtra
6. **Dr. K. MallikharjunaBabu**  
Principal, BMS College of Engineering  
Bull Temple Road, Bangalore - 560019 Karnataka
7. **Prof. O. G. Kakde**  
[Former Director, VJTI, Mumbai, Maharashtra & Professor, Dept. of CSE, VNIT, Nagpur, Maharashtra  
Director, Indian Institute of Information Technology (IIIT)  
BSNL RTTC, near TV tower, beside Balaji Temple, Seminary Hills, Nagpur-440006 Maharashtra
8. **Prof. S. N. Sapali**  
Professor  
College of Engineering Pune  
Wellesley Road, Shivajinagar, Pune – 411005 Maharashtra

## Engineering Evaluation &amp; Accreditation Committee (EEAC) - TIER – II

(As on 31<sup>st</sup> March, 2018)

1. **Prof. K. K. Aggarwal**  
Former VC, GGS Indraprastha University, New Delhi  
  
**Prof. Prem Krishna**  
[Former Head of Civil Engineering Department and the Dean IIT, Roorkee]  
B-033 Raheja Atlantis, National Highway 08,  
Sector 31-32A, Gurgaon 122001
2. **Prof. M.P. Poonia**  
Vice-Chairman  
All India Council For Technical Education  
Nelson Mandela Marg, Vasant Kunj, New Delhi  
(Former Director, NITTTR, Chandigarh)
3. **Prof. Rajnish Shrivastava**  
Former Director NIT, Hamirpur  
Himachal Pradesh
4. **Prof. Rajat Gupta**  
Director, National Institute of Technology, Mizoram and  
Acting Director, National Institute of Technology, Silchar  
Cachar, Silchar, Assam 788010  
(Former Director, National Institute of Technology, Srinagar, J&K)
5. **Prof. B. B. Ahuja**  
Director, College of Engineering, Pune  
Pune 411 005, Maharashtra
6. **Mr. Rajesh Uppal**  
Executive Director (IT) & CIO  
Maruti Udyog Limited  
Palam Gurgaon Road,  
Gurgaon- 122 015

**Management Evaluation & Accreditation Committee (MEAC)****(As on 31<sup>st</sup> March, 2018)**

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Lucknow and Former Director, MDI, Gurgaon  
Vice-Chancellor, FLAME University,  
Gate No. 1270, Lavale, Off. Pune Bangalore Highway, Pune, Maharashtra 412115
2. **Prof. Prem Vrat**  
Former Director, IIT Roorkee  
Pro - Chancellor, Professor of Eminence & Chief Mentor  
The North Cap University, HUDA Sector 23-A Gurugram – 122017
3. **Prof. Mukul Gupta**  
Former Director, MDI, Gurgaon
4. **Prof. Furqan Qamar**  
Secretary General & Member Secretary, Association of Indian Universities (AIU)  
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5. **Prof. Prafulla Agnihotri**  
[Former Director, Indian Institute of Management Tiruchirappalli, Tamil Nadu]  
Professor, Marketing Group, IIM Calcutta  
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6. **Mr. Vibhas Joshi**  
Group President, Supply Chain,  
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**Pharmacy Evaluation & Accreditation Committee (PEAC)****(As on 31<sup>st</sup> March, 2018)**

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- 2. Prof. C. J. Shishoo**  
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- 3. Prof. V. K. Dixit**  
Former Professor, Dept. of Pharmacy  
Sagar University, Madhya Pradesh
- 4. Prof. S. H. Ansari**  
Faculty of Pharmacy  
Jamia Hamdard,  
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**Appellate Committee****(As on 31<sup>st</sup> March, 2018)****Prof. D. N. Reddy**

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**Prof. Sreenivasa S. Murthy**

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**Prof. S.P. Bhatnagar**

Former Professor, Dept. of Pharmaceutical Sciences, BITS, Mesra

**Dr. B. P. Bhatnagar**

Former Vice Chancellor, RVU

**Prof. Sushil**

Department of Management Studies  
Indian Institute of Technology  
Hauz Khas, New Delhi- 110016

## State-wise No. of Programs that got Accredited in Various Disciplines during 2017-18

States	CA	ENGG	HMCT	MGMT	PHRM	Grand Total
Andaman & Nicobar Island		3				3
Andhra Pradesh		134				134
Bihar		3				3
Chandigarh		1				1
Chhattisgarh		7			1	8
Delhi	1	10		10		21
Gujarat		5		5	1	11
Haryana	1	16		4	2	23
Jammu and Kashmir				1		1
Jharkhand		8			1	9
Karnataka	3	128		5		136
Kerala	1	48		2	1	52
Madhya Pradesh		18		1	1	20
Maharashtra		148	1	9	9	167
Odisha	1	22			1	24
Pondicherry		5				5
Punjab		20				20
Rajasthan		13		2		15
Sikkim		5				5
Tamil Nadu	1	211		3		215
Telangana	1	98		8	1	108
Uttar Pradesh		29		5	2	36
Uttarakhand		2				2
West Bengal		54		2	1	57
Grand Total	9	988	1	57	21	1076

## State-wise No. of Programs that got Accredited in Various Disciplines during 2017-18

States	CA	ENGG	HMCT	MGMT	PHRM	Grand Total
Andaman & Nicobar Island		3				3
Andhra Pradesh		83				83
Bihar		3				3
Chandigarh		1				1
Chhattisgarh		7			1	8
Delhi	1	10		5		16
Gujarat				1	1	2
Haryana	1	16		4	2	23
Jammu and Kashmir				1		1
Jharkhand		8			1	9
Karnataka	3	109		5		117
Kerala	1	39		2	1	43
Madhya Pradesh		15		1	1	17
Maharashtra		131	1	5	9	146
Odisha	1	17			1	19
Pondicherry		5				5
Punjab		18				18
Rajasthan		10		1		11
Sikkim		4				4
Tamil Nadu	1	181		3		185
Telangana	1	81		4	1	87
Uttar Pradesh		19		4	2	25
West Bengal		40		1		41
Grand Total	9	800	1	37	20	867

**State-wise No. of Programs that were Not Accredited in Various Disciplines during 2017-18**

<b>States</b>	<b>ENGG</b>	<b>MGMT</b>	<b>PHRM</b>	<b>Grand Total</b>
Andhra Pradesh	51			51
Delhi		5		5
Gujarat	5	4		9
Karnataka	19			19
Kerala	9			9
Madhya Pradesh	3			3
Maharashtra	17	4		21
Odisha	5			5
Punjab	2			2
Rajasthan	3	1		4
Sikkim	1			1
Tamil Nadu	30			30
Telangana	17	4		21
Uttar Pradesh	10	1		11
Uttarakhand	2			2
West Bengal	14	1	1	16
<b>Grand Total</b>	<b>188</b>	<b>20</b>	<b>1</b>	<b>209</b>

## **National Board of Accreditation**

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