

# **National Academy of Broadcasting and Multimedia (NABM)**

**An overview of NABM and its  
programs for HR development in  
Broadcasting Sector**

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**National Academy of Broadcasting and Multimedia**



# National Academy of Broadcasting and Multimedia (NABM)

- Premier National Level Academy established in 1948
- Conducts courses on skill/re-skill/up-skill
- Focus has been on Broadcasting & Multimedia
- Conducts induction courses for freshers
- The academy has grown over the years
- Three campuses located at Delhi, Bhubneshwar, Shillong
- Emerging as broadcast training hub in Asia-Pacific region.
- Equipped with state of the art TV & Radio setups.

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# Vision, mission and Goal

- Aim to emerge as centre of excellence in the Asia Pacific region.
- To develop & nurture the broadcast professionals for their optimum performance in the dynamic ever challenging Broadcasting environment
- Endeavor is to continuously focus on advanced digital production Techniques & broadcast technologies of Radio & TV



# Infrastructure

- Sprawling campus at three places Delhi, Bhubneshwar and Shillong
- State-of-art radio and television production and transmission equipment
- Offers excellent hostel facility for trainees
- Lush green and clean surroundings



# Faculty at NABM/RABM

## NABM has excellent Broadcast Trainers

- Competent and experienced faculty
- Supported by experts from field setups in following area:-
  - a) Frequency Planning
  - b) Studio Acoustics
  - c) TV production & post production
  - d) Transmission technology
  - e) Antenna Matching, etc.
  - f) For content sessions Program officers of AIR/DD



# Training Activities



- More than 200 training programs annually
- More than 2000+ trainees participate every year
- Induction trainings and refresher courses
- Courses on skill/Re-skill/upskill in Radio and TV production and post production,
- Satellite and digital broadcasting
- Management and administration



NBAM offers tailor made training programs on following:-

- Voice culture and communication
- Script writing
- Production of documentary
- Art of presentation
- Broadcast technology for engineering students
- Non linear editing
- VANI Certification
- Faculty development Program (state governments)





# International Programs

NABM conducts training programs in collaborates with International Organizations also

- **ABU** (Asia Pacific Broadcasting Union)
- **AIBD** (Asia Pacific Institute for Broacasting Devp.)
- **DW** (Dueche Welle Germany)
- **IABM** (Intl. Association of Broadcasting and media Tech. ■)
- **BBC, CBA** (Common Wealth Broadcasting Association)
- **UNICEF**



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# Training Infrastructure

A/C Class rooms equipped with latest electronic gadgets

- Full power back up
- Smart boards
- Overhead Projectors
- Mics/speakers (Talk back facility),
- modular seating



# Training facilities

Auditorium



Conference Room

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# Technical Facilities

- Dedicated professionally equipped Radio & TV Studios
- Equipped with latest professional broadcast equipment
- Production and Post-Production Facilities.
- Computer Centre, Networking lab
- Lecture Rooms with modern Audio Visual aids and Internet access.
- Well-equipped laboratories with Trainer Kits and jigs
- State of the art measurement facility for Antenna, RF cable and field strength.

contd.



# Technical facilities



- State of the art AM,FM and TV transmitters
- Audio & Video labs equipped with demo-kits
- Demo-kits for electronic circuits, digital systems,
- Demonstration of modulation techniques
- Measuring Equipment for TV and Radio production
- Transmission, satellite communication, etc.



# Library

Fully computerized with Bar-coding facility Containing

- ✓ 14000+ books
- ✓ Technical Manuals
- ✓ CDs & DVDs, films
- ✓ English and Hindi literature
- ✓ Novels by eminent authors
- ✓ Journals and Magazines



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# Computer Labs

For training on

- ✓ Office automation
- ✓ Studio Automation
- ✓ Multi track recording
- ✓ Networking Server Administration
- ✓ Computer Hardware
- ✓ Basic Computer Courses



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# Documentation Cell

For creation of

- ✓ Graphics
- ✓ Drawings
- ✓ Training Material
- ✓ Books/handouts





# Television Studio

Training in real studio environment  
trained on

- ✓ Studio-lighting
- ✓ Audio Balancing
- ✓ Vision-mixing
- ✓ Video production
- ✓ Post Production Techniques.



# Television Production

Trainees are given feel of real studio production environment and trained on

- ✓ Single Camera Exercise
- ✓ Multi- Cam Studio Exercise
- ✓ TV Post Production
- ✓ Chroma facility for changing background
- ✓ HD cameras



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# Post-production

- Latest NLEs and Graphics sets for hands on practice on editing and graphic
- Training on field production equipment



# TV Transmitter

- 500 W Digital-Ready Analog transmitter
- Low Power Antennas
- Site master for measuring
  - VSWR of Cable & Antenna
  - Field strength
- Spectrum Analyzer
- VM 700 for Video Measurement



# Radio Studio



The setup provides a full-fledged studio environment to trainees

- ✓ Multipurpose studio.
- ✓ Recording Booth
- ✓ Transmission Booth
- ✓ Control Room
- ✓ Studio Automation with NETIA



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# AIR Digital Studio

Digital Studio setup for demonstration of

- ✓ HiFi microphones,
- ✓ Audio Mixers,
- ✓ Audio balancing techniques
- ✓ Audio production techniques
- ✓ Playback & dubbing equipment
- ✓ Transmission equipment



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# Radio Production

Trainees learn & practice on -

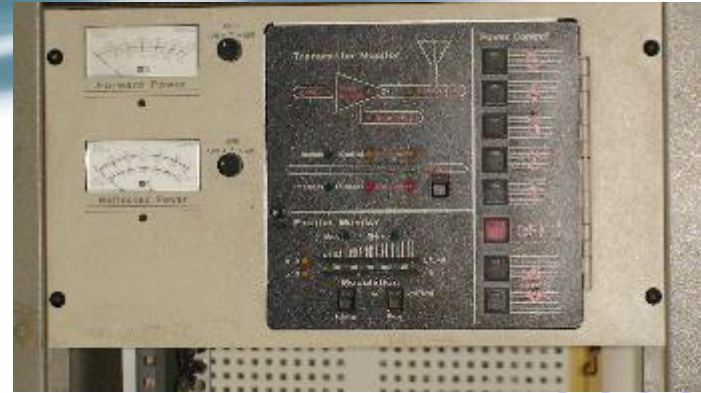
- ✓ Drama Production
- ✓ Feature Production
- ✓ News Production
- ✓ Data journalism
- ✓ Musical production
- ✓ Multi-media production



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# Radio Transmitter



- One 1kW/10 kW MW terrestrial transmitters
- Dummy loads for transmitters
- Adjacent to the studio complex
- Focus is on providing hands on practice





# Hostel

NABM provides a well  
equipped hostel facility  
Comfortable stay facility  
Clean/green surrounding



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# Hostel Ambience

- Hostel provides best ambience for the trainees
- Variety of trees and exquisite lawns
- Lush green environment
- Fresh air



# Hostel Facilities

- Round the clock manned reception
- Recreation room for trainees
- Library
- Internet/ WiFi



# Hostel Facilities

- 124 Rooms for trainees
  - 20 double bedded AC rooms
  - 104 single bedded AC rooms
- Air-conditioned mess facility
- Yoga room
- Gym



## **Training courses conducted in last (5 Yrs.)**

**About 500 technical courses and about 17,000 persons benefitted**

**About 227 content related and administrative courses and about 6614 persons benefitted**



# NABM –DELHI-TRAININGS (5 YEARS) MAJOR AREAS COVERED

## DISCIPLINE

## ENGINEERING

### TOPICS/AREAS COVERED

- **Implementation of training Goals/Plans/Directives of Directorates/PBS**
- **Orientation and Induction Trainings for staff**
- **Maintenance & Repair workshops**
- **Operational Equipment Training.**
- **New Technologies in broadcasting.**
- **Nurturing In-House developments and initiatives.**
- **International level training in Collaboration with AIBD.**
- **Management Trainings for Senior Officers.**
- **Pre-Exam Trainings**
- **Up-skill of Staff to handle the Social Media Revolution.**
- **Trainings given to Outside Agencies**
- **Other Miscellaneous Trainings**

# NABM –DELHI-TRAININGS (5 YEARS) MAJOR AREAS COVERED

DISCIPLINE	PROGRAM
<b>TOPICS/AREAS COVERED</b>	<b>Program management</b> <ul style="list-style-type: none"><li>➤ Broadcast management,</li><li>➤ Content management</li><li>➤ Marketing, sales, content monetization</li><li>➤ Public service management</li><li>➤ Disaster and risk communication management</li><li>➤ Parliamentary democracy and Election broadcast management</li><li>➤ Production, Modern tools and technology for program production</li><li>➤ Voice culture and language articulation</li><li>➤ program production techniques for innovative and various conventional formats</li><li>➤ Programming for targeted special audiences i.e. Agriculture, health, children, Youth, senior citizens, specially abled audiences.</li></ul>

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# NABM –DELHI-TRAININGS (5 YEARS) MAJOR AREAS COVERED

DISCIPLINE	PROGRAM
<b>TOPICS/AREAS COVERED</b>	<b>Program management</b> <ul style="list-style-type: none"><li>• Content archiving and digitization</li><li>• Conservation of art, culture and heritage,</li><li>• Popularization of folk and tribal music</li><li>• Promoting “vision of self reliant India”</li><li>• Special programming on India@ 75</li><li>• News anchoring and reporting</li><li>• Promoting multimedia broadcast</li><li>• Promoting National Integration and social harmony</li><li>• Practical training for students of mass communication</li></ul>

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# NABM –DELHI-TRAININGS (5 YEARS) MAJOR AREAS COVERED

DISCIPLINE	ADMINISTRATION
TOPICS/AREAS COVERED	<ul style="list-style-type: none"><li>➤ Training programs on establishment</li><li>➤ Rules and regulation for employees of AIR/DD.</li><li>➤ Sessions on Finance , accounting and HR management</li><li>➤ Training on e-accounting and e-administration/e-office</li><li>➤ Demand based courses viz. Voice Culture training for BSF, Air India, etc.</li></ul>



# NABM-DELHI SPECIAL MENTIONS

NABM has conducted, In-Country workshop wherein ABU experts visits India and conducts workshop/training and Sub regional workshop is conducted by NABM and participants from AIR/DD as well as participants from Asia Pacific countries attend the training program. Few of the courses conducted in this area listed below:

- In-country workshop
  - Broadcasting in the age of New Media (Feb 2019)
  - OTT & Hybrid Technologies (Nov. 2017)
- Sub-Regional Workshops
  - Studio & Newsroom Automation (Jan 2020)
  - Cloud based Content Management and distribution (Jan 2018)
- Faculty at NABM prepared and delivered online lectures on topics like Satellite communication, Optical Fibre communication, Transmission Media, Networking fundamentals, Networking components, Network security and storage for **ABU course on Engineering fundamental.**



# NABM-DELHI SPECIAL MENTIONS

- **NABM conducts customized courses regularly in collaboration with ABU, AIBD for broadcasting organization of Asia**
- **NABM looks forward to organize more In-Country workshops in future in collaboration with ABU/AIBD/DW/BBC/CBA, etc.**
- **In-country workshop Broadcasting in the age of New Media (Feb 2019), OTT & Hybrid Technologies (Nov. 2017)**
- **Sub-Regional Workshops Studio & Newsroom Automation (Jan 2020) Cloud based Content Management and distribution (Jan 2018)**
- **Faculty at NABM prepared and delivered online lectures on topics like Satellite communication, Optical Fibre communication, Transmission Media, Networking fundamentals, Networking components, Network security and storage for ABU course on Engineering fundamental.**





**Thanks**



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