



# Milestones

**The saga of tireless efforts  
of Officers and Men of  
Team NDA**



*Designed & Edited by Capt (IN) Devanshu Rastogi, Director Training  
Assisted by Lt Cdr Pratyush Chauhan*

# Milestones



20 MAR 2017

## Foreword

*Every Helmsman aspires to do his bit for the wellbeing of his ship and shipmates. Given the short tenures of previous Commandants, in the overall interest of Services, I thought it worthwhile to go full throttle with the initiatives at NDA during my tenure. Much has been achieved by my illustrious predecessors and I can submit with pride that a lot has been achieved in the last nine months. The credit goes to Team NDA, both officers and staff, for stoking the 'Fire in their belly' and achieving some significant milestones in a short span of time.*

*We have tried to document these milestones, with a rightful sense of pride. I am sanguine this document will motivate one and all to work with the same gusto towards a similar*

*document over the next one year. This document is also a reminder to my team that the weakest link counts and every activity, howsoever insignificant it be perceived, is important in the overall ambit. Truly proud of my team at NDA.*



Country   Service   Self



**Air Marshal J S Kler, AVSM, VM  
Commandant NDA**

# Preface

In tandem with the directives of the Commandant, there has been a concerted effort to fine-tune all aspects of training and administration at NDA. B Tech has been implemented for all Naval and AF Cadets wef 136 (II term) and 137 Course (I term) respectively. B Tech for 50 Army cadets is likely to commence wef Jul 2017. In effect, 50% of NDA Cadets will now undergo B Tech curriculum. All concerns in this regard have been addressed with inclusion of Humanities curriculum for B Tech Cadets as also continuing the Foreign languages as hitherto before. Implementation of B Tech has not altered the primary focus of broad based training at NDA. We have progressed with times and adapted to the changing requirements of grooming scholar-warriors. The feedback of the first B Tech course has been positive and the cadets are coping up well.

Next, we are ensuring that “Jointness” remains the credo of Academy. Towards this, it is ensured that there is no differentiation between cadets of three Services

until the end of 4th term. Cadets undergo Specialist Service Training only from 5th term onwards. Academic classes are mixed even at this stage, to foster camaraderie with Cadets from other Services.

Regimentation has been given the necessary fillip and the Academy continues to be at its pristine best. We intend to carry forward this momentum.



**Rear Admiral S K Grewal, VSM  
Dy Commandant & Chief Instructor**

# Principal Staff Officers



**Brig S K Rao, YSM**  
**Brig Adm**  
**Since 31 Jul 14**



**Brig B P Jacob**  
**PD Trg**  
**Since 01 Sep 15**



**Prof (Dr) OP Shukla**  
**Principal**  
**Since 22 Oct 11**



**Maj P K Rathore**  
**Adjt**  
**Since 06 Jun 16**

*When a soldier performs his duty, he sublimates his individuality into that of his organisation.*



## Academy Honour Code

- I believe that a cadet must be *loyal, truthful, trustworthy, honest and forthright* under all circumstances
- I will *not lie, cheat or steal nor will I mislead or deceive* anyone
- I undertake to faithfully *live up to this code and to continuously encourage my comrades* to do so

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## **Comdt's Thrust Areas**

### **Improve Training / Education**

Since Training is the *Raison de' Etre* of NDA, all efforts must be taken to improve the training standards and educational threshold of Cadets. Focused analysis of training activities must be undertaken.



### **Upgrade Infrastructure**

The infrastructure at NDA needs to be constantly upgraded and enhanced. Present assets are to be maintained optimally, keeping vintage of structures in mind.



### **Commencement of B Tech**

The educational threshold of Cadets at NDA is being significantly enhanced by commencement of B Tech. All out efforts are to be made to comprehensively address all issues related to smooth implementation of B Tech.



# Enhance Security

NDA has been on the radar of ANEs and will always be the cynosure of our adversaries. Impetus is to be laid on perimeter security and access control. Speed limits are to be strictly adhered to.



## Regimentation

Considerable impetus needs to be laid on beautification and enhancement of appearance of the iconic institution. Towards this, efforts are to be put in place for acquisition of War Trophies, Busts and Displays. Landscaping is to be given a fillip.



## Grooming

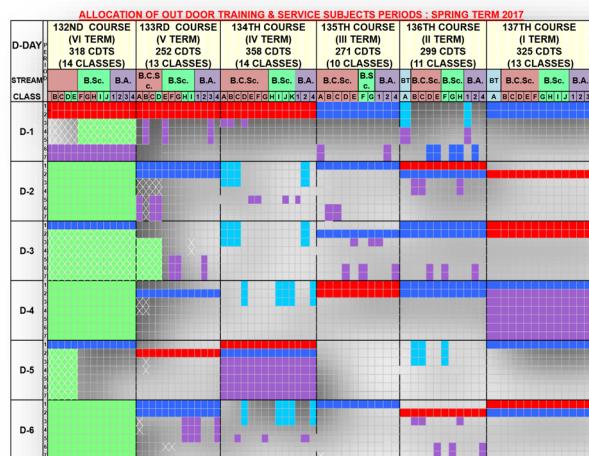
Cadets are to be given exposure to external competitions, within acceptable limits of loss of training time. Clubs are to visit Centres of Excellence. All Instructors and Cadets are to pay particular attention to grooming, marks of respect, uniformity and etiquettes.



# Analysis of Training

## Analysis of Trg Prg— Last 32 terms

The analysis of training programme of last 32 terms was undertaken in Feb 2017 so as to discern patterns of training over the years. The result is quite revealing in that most changes have been cyclic in nature.



## ISSG - III

Based on the recommendations of NDA, Inter Services Study Group (ISSG) - III has been constituted in Nov 2016 to recommend changes in service training and other aspects of training.



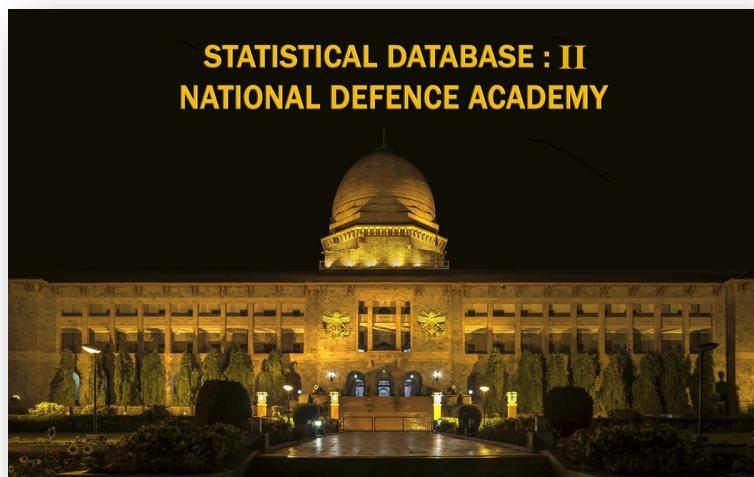
## Commandants' Conclave

Sharing of Best Practices between the premier academies indeed brings in new perspectives and hones our trg skills. NDA is hosting the Bakhshi Cup and Commandants' Conclave on 26 Mar 17.



# Statistical Compendium-II

Stats Compendium-I has already been acknowledged as a incisive document. Part-II of Compendium has recently been collated and brings out further analyses of training, PT Standards, analysis of top few and last few in merit and many such interesting facts.



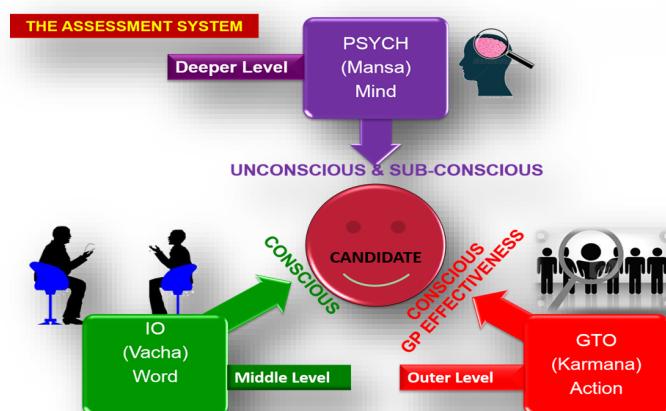
## ASG - III

In tandem with ISSG-III, Academic Study Group (ASG) - III has also been constituted in Feb 2017 to analyse implications of implementation of B Tech, recommend changes in Humanities stream and inclusion of essential Humanities subjects in B Tech syllabus as electives.



## Visit of SSB Teams

Interaction with SSB teams had been elusive thus far. However, NDA officers interacted with Comdt SCS in AT 2016 and with assessors from 1,4 and 5 AFSB on 05 Mar 2017. The interaction was particularly valuable in understanding common concerns.



# Insp & Visits

## JTC Inspection

Inspection by Joint Training Committee (JTC) was conducted in Sep 2016 and the efforts/ initiatives by NDA were lauded by HQ IDS. The scale and scope of Inspections have been significantly enhanced during the Inspection.



## DIARA Audit

Cyber Security Audit by DIARA was conducted in Sep 2016 and we are currently looking towards a futuristic ICT Roadmap with Wi-Fi enabled campus.



## Visit by CISC

Lt Gen Satish Dua, UYSM, SM, VSM, CISC visited NDA from 16-19 Dec 16 as part of his maiden visit. He was given a comprehensive briefing, followed by detailed walk around all training facilities.



# DASI Inspection

DASI undertook the first ever Inspection of AFTT from 22 - 24 Aug 16. The overall grading was 'Average Plus'. This is the highest grading normally given by DASI to flying units during inspections.

Post-Accident Plan (PAP) was also activated.



## Adm Inspection by HQSC

Adm Inspection of NDA was conducted by HQ Army Southern Command, Pune on 16-17 Mar 17. As part of Inspection, Officers appeared in BPET, PET, PFR/ Firing and comprehensive Book Inspection was undertaken.



## Financial Inspection by HQ IDS

Financial Inspection of NDA by DACIDS (Budget) / HQ IDS was carried out on 06 and 07 Oct 16. All records, books, financial documents and property ledgers were carefully scrutinized.



# Grooming of Cadets

## Indian Classical Music - Sarod

An instrumental concert was conducted by Pt. Brij Narayan (on Sarod) accompanied by Pt. Arvind Kumar Azad (on tabla) for all Cadets and Officers on 27 Jul 16 at Habibullah Hall.



## Extra-Curricular Visits

Our Cadets visited Nehru Planetarium, Mumbai, Univ Centre for Astronomy and Astrophysics (IUCAA) and Nat Skies Observatory as part of extra-curricular visits during the last nine months.



## Hindi Play

A Hindi play titled 'Bholaram Ka Jeev' was staged by the Cadets on 10 Aug 16 in the Habibullah Hall.



# Indian Classical Music - Santoor

An instrumental concert was conducted by Dr Dhananjay Daithankar (on Santoor) along with Shri Prasad Velankar (on Tabla) on 01 Feb 17 at Habibullah Hall, under aegis of SPIC MACAY, an NGO spreading awareness and promoting Indian Classical Music and Culture.



## Extra-Curricular Visits

Photo and Trekking clubs visited Malhargad Fort on 26 Feb 17 and Rock Climbing Club undertook rappelling at Duke's Nose, Lonavala on 26 Feb 17. Trekking tours were organized to Purandar and Torna Forts.



## Inter Bn Variety Entertainment

The Inter Bn Variety Entertainment (VE) was restarted to enable cadets to come out with their creative best as also to de-stress them. The VE is now conducted on a single day, ensuring minimal loss to training time.



# Officers' Leading by Example

## International Dressage at Taiwan

Lt Col Rohit Dagar, ETO was selected as the *Chef'd' Equipe* of the Young Rider Dressage Team for the CDI-Y International Dressage Competition held at Taipei, Taiwan from 06 Nov 16 to 09 Nov 16. The Indian Team won Bronze medal in team competition.



## Sikh on the Rann

Cdr Soodan, JD (Adventure) has been a regular runner on Marathons circuits as under:-

- 06 Nov 16 - 21 Km Half Marathon.
- 11 Dec 16 - 42 Km Goa River Full Marathon.
- 11 Feb 17 - 51 Km Ultra Marathon Race in "Run the Rann".



## Pune Run Beyond Myself Marathon

12 NDA Offrs participated in Pune Run Beyond Myself Marathon Pune on 16 Oct 16.



# Army Equestrian Championship

- Lt Col Rohit Dagar, Equitation Officer NDA, won 05 Gold, 03 Silver and 01 Bronze medal at AEC.
- Dfr PJ Sapkal won a total of 03 Gold, 03 Silver and 01 Bronze medal.



## Pabeghat Hill Marathon, Pune

3 Offrs participated in 21km and 10 km race at Pabeghat Hill Marathon at Khanapur, Pune on 20 Aug 16.



## FSAI Life Marathon

SLt Divya Yadav, Instructor NDA, stood 4th at FSAI Life Marathon held at Pune on 05 Mar 17.



# Leveraging IT Potential

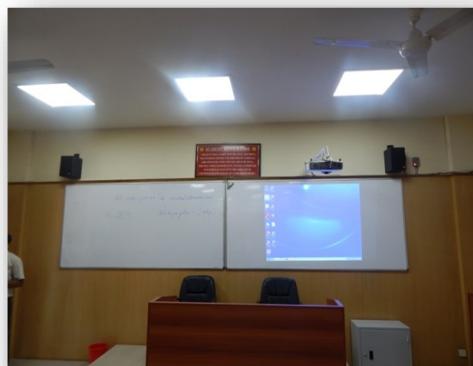
## GIS Lab

GIS Lab has been established at Geography Department at a project cost of Rs. 30.72 lakh. 30 computers have been provided to enable the Cadets to access Geographical Information System and Remote Sensing data as also carry out highly sophisticated mapping and data analysis using GIS tools.



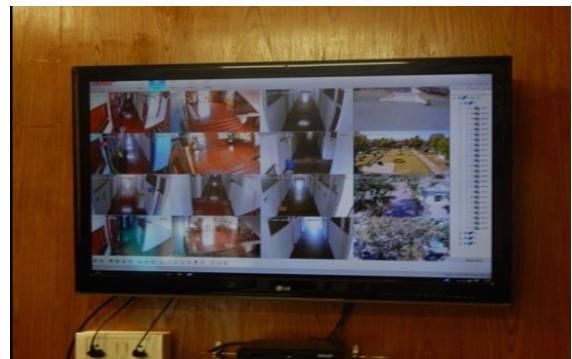
## Smart Board

Installation of 23 Interactive Multimedia Aided Audio/ Video Training Aids for Classrooms/Lecture Halls as part of Smart Class Room Project has been completed on Turnkey Basis, at a project cost of Rs 27 lakhs.



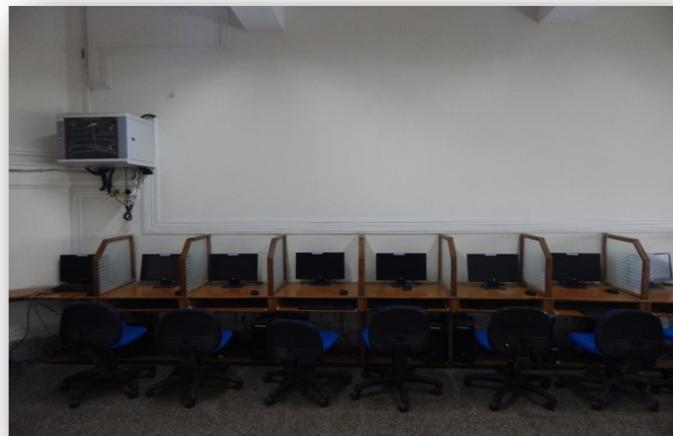
## CCTV Project

A project for enhanced surveillance at academic blocks and Sqn/Bns has been undertaken with 238 IP based IR camera for round the clock, all weather surveillance of important areas at NDA, at a project cost of Rs 71.48 lakhs.



## B Tech IT Lab

A B Tech IT Lab, consisting of 30 computers, has been set up in Manoj Pandey Block to provide separate IT infrastructure for B Tech classes and give access to NKN and educational resources of National Prg for Tech Enabled Learning (NPTEL).



## Video Conferencing

100 Mbps high speed Pan India NKN connection, sanctioned by GoI, has been established to connect NDA with all Govt institutions across India. Video Conferencing System has been set up at Chanakya Hall, Habibullah Hall and NJN Auditorium. Trials have been undertaken with various Centres of Excellence and NDA currently leads the way in NKN Exploitation.



## Firewall at Data Centre

Firewall CR1000ia has been installed to secure internet facility at NDA from various cyber threats, at a project cost of Rs 9.80 lakhs.





## Habibullah Hall

### Security CCTV

6 CCTV Cameras have been installed in HH. These provide security and round the clock surveillance in Museum and Habibullah Hall.



### LED Display on Rostrum

Two 40" LED Displays have been installed on the rostrum of Habibullah Hall, for displaying details of dignitaries during lectures as also showcase other media, at a project cost of Rs 98,700.



### Improvements in Museum

Sqn Ldr RTS Chhina (Retd), Secretary and Editor of CAFHR USI, New Delhi delivered a lecture to Cadets and faculty on 'Role played by India in the First World War' on 05 Oct 16 at Habibullah Hall. He also helped cataloging of old artifacts in Museum.



# Recording and Monitoring

A CCTV camera with projection system has been installed inside Auditorium to aid the Q & A Session post Lectures. The system is also used to monitor discipline and interest shown by the cadets during the lectures.



## Life Size Photo Boards

18 Life size photo boards have been installed along the entrances to HH Balconies. These have replaced the earlier set of small size photo frames. The fitment has improved the décor of the iconic Auditorium.



## Improvements in Cinema

Some of the initiatives to improve the Cinema Shows at NDA are as follows:-

- Double shows for Hit movies
- Latest English Movies being contracted
- 2K Projection System contracted
- Movie info boards at various locations
- Hi Tech Sound Mixer being procured
- New seat covers, tallies and seat lights
- Fire Evacuation Plan instituted



## Media

**Bonding  
with  
Alumni**

## Twitter Handle

NDA has seized the initiative and has been conspicuous on Twitter Handle of HQ IDS. Important developments at NDA and achievements of Cadets are regularly updated on Twitter.



## Hosted Chairman COSC/CAS & COAS

NDA hosted the Chief of Air Staff, Air Chief Marshal Arup Raha, PVSM, AVSM, VM, ADC and Chief of Army Staff, Gen Dalbir Singh Suhag, PVSM, UYSM, AVSM, VSM, ADC on 07 Dec 16.



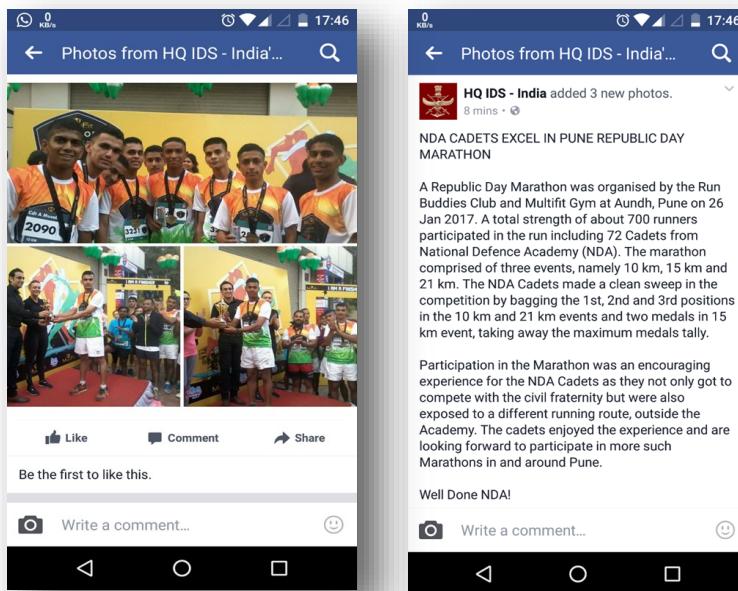
## NDAAA

NDA Alumni Association (NDAAA) became alive with a gala sporting event between Old Boys and NDA Officers on 05 Mar 17.



# Facebook Page

NDA is also conspicuous on Facebook page of HQ IDS. The potential of Social networking is being aptly exploited in conveying the right image of NDA.



## Hosted 8 Reunions in Dec 2016

NDA hosted Reunions of 17th, 31st, 44th, 50th, 54th, 55th, 69th and 81st NDA Courses in Dec 2016. A total of 10 Serving C-in-Cs were hosted in a short duration. All Old Boys were highly appreciative of the training standards and state of upkeep / maintenance of their Alma Mater. The Comdt NDA gave a nostalgic presentation to Old Boys, amidst thunderous applause.



## Alumni at Comdt's Tea with proficient Cadets

A fresh lease of life has been breathed into NDA Alumni Association. Regular interactions are now part of NDAAA events. For the first time, an invitation was extended to NDAAA along with their spouses, to attend the Comdt's Tea and interact with the Cadets. Five NDA Alumni couples attended the Tea.



## *Training Teams*

# HQNDA - Training the Trainers

An Orientation Capsule for newly posted Officers of NDA was conducted from 20 - 23 Dec 16.

Further, a capsule course on Training Technology and Methodology was organised at NDA with the assistance of two qualified Officers from NIETT, Kochi on 20 and 21 Jan 17. A total of 32 Service and Civilian Officers benefitted from the course.



# NTT - New Whalers

Three new DK Whaler Boats have been received from IHQ MoD (Navy) on 04 Oct 16. One new DK Whaler boat has been received HQWNC on 13 Oct 16.



# NTT - New Rowing Boats

Eight Rowing boats (04 single seater and 04 double seater) have been received from M/s Sunny Water Sports Pvt Ltd, Pune in Feb 2017.



## ATT - INSAS Cut Section models

Cut sections of 5.56mm INSAS Rifle has been procured recently. This will not only improve the assimilation by Cdts but will also make the Weapon Training classes more interesting and interactive.



## ATT - Reflex Shooting for Offrs

Commencing AT -16, Reflex Shooting and Pistol shooting were added in Officers' Firing Competition. In addition, better target patterns were introduced.



## NTT - RAS Point

While the RAS point has existed onboard TS Ronnie Pereira, the 'other side' has recently been constructed to enable near realistic seamanship training.



## *Training Teams*

### NTT - New Jetty

High Density Polyethylene (HDPE) Floating Jetty (40m x 2m x 0.8 m) has been installed at Peacock Bay.



### NTT - Peacock Bay Lighthouse

Construction of Peacock Bay Lighthouse has been completed in Mar 2017. Eight modes of light can be simulated for training of Naval Cadets.



### NTT - New J 29er Sail Boats

Two J29er Sailing boats have been received on 02 Dec 16, an initiative spearheaded by NDA and facilitated by IHQ MoD (Navy).



# NTT - New Winch System

A new Winch and Trolley for lifting of boats has been fitted in Shed No 1 at Peacock Bay. This will enable timely and better maintenance of boats.



## NTT- New Laser Radial Class Sail Boats

Proactive liaison with IHQ MoD (N) resulted in acquisition of four Laser Radial class sailing boats in Feb 2017. This is part of ongoing thrust to improve watermanship training at NDA.



## AFTT - Inauguration of Bust

A bust of Fg Offr NJS Sekhon, PVC, who made supreme sacrifice for the nation during 1971 war, was unveiled by Air Mshl JS Kler, AVSM, VM, Comdt, NDA at AFTT on 14 Nov 16.



# Training Teams

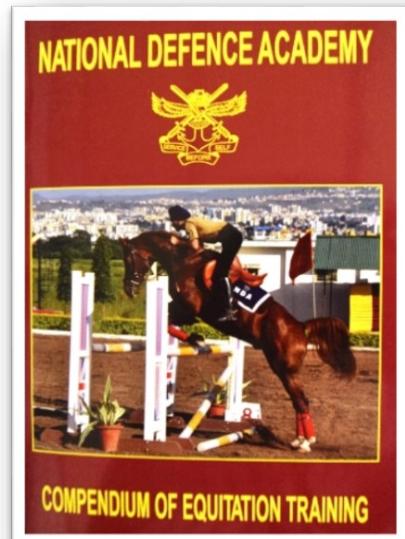
## AFTT - Extn of Runway

Extension of Runway is in progress from the current dimensions of 900 x 15 m to almost double dimensions of 1500 x 30 m. Phase I has been completed and Phase II is progressing well.



## ETT - Compendium of Equitation Trg

The Compendium of Equitation Training is an effort to impart theoretical knowledge on Equitation, put in a simple language and easy to comprehend. These have been issued to II term cadets.



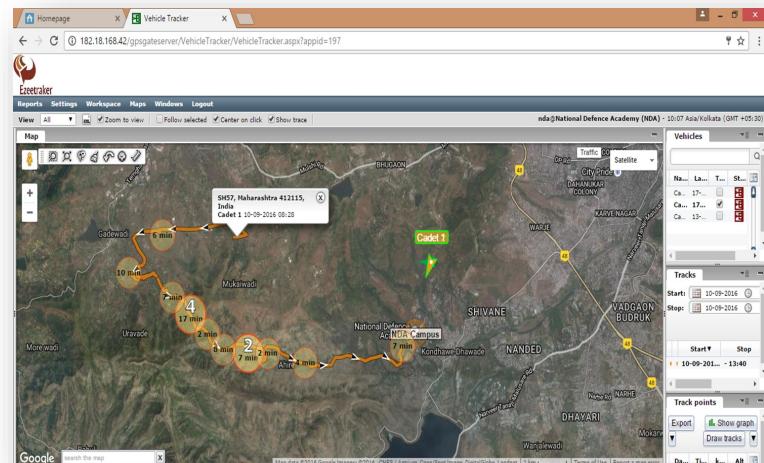
## ETT - Saddlery

Procurement of 45 x Saddle Pads and 50 x Saddle Palli has enhanced the smart appearance of horses.



# JTT - Real time GPS Tracking

GPS Trackers have been procured for better monitoring of cadets during various navigational exercises. The same is also being used for debrief and instructional purposes.



## ETT - Polo Sticks

Procurement of 25 x Horse Polo Sticks and 40 x Cycle Polo Sticks has been completed. NDA is set to introduce Cycle Polo in ST 17.



## ETT - Improvements

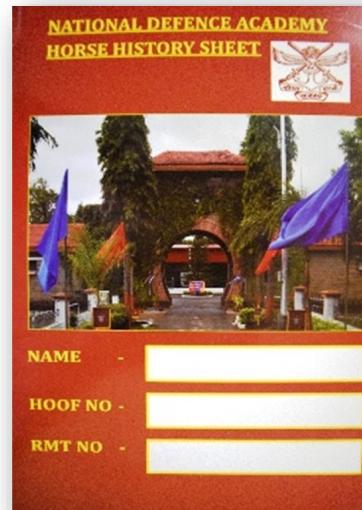
Procurement and installation of 24 x Motivational Flex Boards and 40 x export quality knee length Riding Boots have enhanced safety measures and improved the look of ETT.



## *Training Teams*

### ETT - Horse History Sheets

The Horse History Sheet is a document issued by Remount Depot which has only basic identification details of remounts. At the NDA, we have introduced a more comprehensive document in a booklet form containing photographs of horses and other sundry details in a presentable manner.



### PTT - Inauguration of New Gym

A state-of-the-art new Gymnasium has been inaugurated in Jul 2017. The Gym is being extensively utilized for various sporting events.



### PTT - Conduct of Cross-country

- The Run has been increased to 13.1 kms. Aerial Videography was undertaken and correctives put in place, based on analysis.
- Enclosures timings have been enhanced to 2.5 min in order to bring in realism.
- Results and real time video is being displayed on giant LED TV.
- Chip based result generation is being introduced.



## ETT - Hay Shed

An additional Hay Shed has been constructed in ETT for safe stowage of Hay. With this initiative, the stowage capacity of ETT has doubled from 7 to 14 days.



## PTT - New Volleyball Courts

Four synthetic grass Volleyball Courts have recently been constructed at PTT, near football fields. In addition, one Volleyball Court has also been constructed near Gym No. I.



## PTT - Lectures on long distance running

Dr Rajani Patil, Sport Physiotherapy Specialist delivered a lecture on "Prevention of Injuries during Cross Country" on 16 Jan 17. Lecture cum demo on "Self Defence, CQB, Upper Body Strength/ Conditioning and Survival Techniques" was conducted by Mr Shifiji Shaurya Bhardwaj on 16 Jan 17. Guest Lecture on "Running and Beyond - Training the Mind" was conducted by Gp Capt A Tripathi, on 18 Jan 17. Mr Anand Hatwalne and Col S Pitre delivered a lecture on "Basics of Running from 6 Km to 21 Km" on 21 Jan 17.



# **Laurels by Cadets**

## **Shooting**

Academy shooting team participated in the 33rd Maharashtra State Shooting Championship in Mumbai from 28 Sep - 05 Oct 16 and won two Gold, one Silver and two Bronze medals.



## **Shooting - International Event**

369 I/I/N/133 Cadet Shivtej Sawant has been selected by Maharashtra Rifle Association to participate in 48th Grand Prix at Plzen, Czech Republic from 03 - 08 May 17 and International Shooting Competition Hannover (ISCH), Germany from 05-15 May 17.



## **Equestrian - JNEC 2016**

Cdt Abhay Singh was adjudged the “Best Rider” in Young Rider Category (18 to 21 yrs). NDA cadets bagged a total of 24 medals, which includes 04 Gold, 13 silver and 07 Bronze.



# Shooting

Academy Shooting Team participated in the 26th All India GV Mavalankar Shooting Competition in Mumbai, from 03 - 15 Nov 16 and won one Silver and one Bronze medal.



## Equestrian - Jaipur Horse Show and AEC

Army Equestrian Championship & Jaipur Horse show 2016 was conducted in Sep 2016. Cdt Rohan Shirodkar was adjudged the “Best Cadet Rider”. NDA cadets bagged a total of 51 medals, which includes 20 Gold, 18 silver and 13 Bronze.



## Equestrian - Delhi Horse Show, Jr IPA

NDA Teams are participating in the forthcoming Delhi Horse Show and Jr IPA in end Mar 2017. Last year, the NDA team had bagged 6 medals in DHS.



# *Laurels by Cadets*

## Sailing

Cadets participated in Young India Adventure Race from 09-11 Dec 16 at Goa. Results were as follows :-

- Double Event (without Rafting) - Winners
- Triple Event (with Rafting) - Runners up



## Squash - National Championship

Two Cadets of NDA Squash team participated in the 73rd Senior National Squash Championship held at Otters Club, Mumbai from 12 - 17 Jul 16. The Cadets reached upto 3rd and 4th rounds each.



## Golf

NDA Golf team consisting of three Cadets and three Officers participated in the Quadrangular Golf Tournament played between RSI, CME, Poona Club and NDA on 02 Feb 17. NDA Team stood 2nd in the event.

36996/A/134 Cdt Varun Singh stood overall 2nd and Wg Cdr A Khedkar bagged two individual prizes.



## Sailing

Admiral Cup 2016 was held at INA, Ezhimala from 05 - 11 Dec 16. NDA team stood at the 14th position out of 29 teams (from 24 countries) in team racing. Six Cadets participated in Indian International Regatta held at Chennai from 15 - 20 Dec 16. A total of 66 participants from various countries participated in the event. NDA Cadets bagged 4 & 5 posn in 420 class.



## Squash - Inter University Championship

- NDA Cadets participated in Inter University Squash Tournament at BITS Pilani, Goa from 03 to 05 Mar 17.
- The Cadets bagged first prize in team event and second position in individual event.



## Sports Fest - AIT, Pune

NDA Volleyball, Football, Basketball, Squash and Tennis teams participated in the said tournament held from 09 - 11 Feb 17. NDA Team stood Winners of overall Squash Team Championship and runners up in Volleyball.



# *Laurels by Cadets*

## Sports Fest - Flame Univ

NDA Volleyball, Football, Basketball and Tennis teams participated in the said tournament held from 14 - 19 Feb 17. NDA teams were Runners up in Basketball and Football.



## Sports Fest - SYNCTIUM 2017

Basketball team of NDA participated in Smt. Kashibai Navale Medical Collage and General hospital Pune— SYNCTIUM 2017 on 05 to 09 Mar17 and emerged Winners.



## Triathlon at Goa

Six Cadets participated in Young India National Adventure Race (YIAR) 2016 consisting of River Rafting, Cycling and Running at Goa from 09 Dec to 11 Dec 16. NDA teams took 1st position in Double Event and 2nd position in Triple Event.



# Sports Fest - Symbiosis College, Pune

The NDA Basketball, Volleyball, Football and Tennis teams participated in the Symbiosis College Tournament 2017 held from 24 - 26 Feb 17 at Pune. NDA Cadets stood Winners in Basketball & Volleyball and Runners up in Squash.



## Marathon at Nasik

Nine cadets of Academy Cross Country team participated in Stone Ridge Valley Marathon at Bramgiri, Nasik scheduled on 11 Sep 16 and took all positions from 2nd to 10th in 21km category .



## Marathon - Run for Republic, Pune

72 Cadets and 19 Officers/ family members of NDA participated in the Run for 21 Km, 15 Km, 10 Km and 5 Km organised by Runbuddies Club at Aundh, Pune on 26 Jan 17. The NDA Cadets secured I, II and III positions in 10 km and 21 km Runs.



**Laurels  
by  
Cadets**

## Enduro Adventure Race 2017

NDA teams participated in Enduro Adventure Race 2017 at Pune from 11-12 Feb 17. 24 NDA Cadets and seven Officers participated. The performance of NDA Cadets was as under:-

- 70 Km Team Race - 1st & 2nd positions.
- 70 Km Solo Race - 1st, 2nd and 3rd positions.
- 100 Km Enduro Race - 2nd position.



## Quiz / Debate - *Sameeksha/Jigyasa*

A team of two Offrs and eight Cdts participated in 'Sameeksha & Jigyasa 2016' English Debate & Quiz Competition, organised by AFMC, Pune on 16 & 17 Sep 16 and Quiz team won 2nd prize.



## Quiz / Debate - Mayo College, Ajmer

NDA team participated in 22nd Padmashree JTM Jack Gibson Memorial English Debate and Quiz, 2016 organised by Mayo College, Ajmer from 29 Sep to 01 Oct 16 and NDA team won 2nd prize in both Debate and Quiz .



# Marathon - FSAI Life at Pune

13 cadets and 12 officers participated in FSAI Life Marathon at Balewadi Stadium, Pune on 05 Mar 17.

In Half marathon 21km category, NDA Cadets secured 2nd to 12th positions and in 10 Km category, they bagged 2nd and 4th positions.



## Silhouettes - AFMC, Pune

A cultural and sports event 'Silhouettes 2017' was held at AFMC Pune from 23 to 26 Feb 17. The performance of NDA Cadets in various events was as follows:-

Event	Performance
Debate	1 <sup>st</sup> position
Photography	1 <sup>st</sup> position
Dance	2 <sup>nd</sup> position
Western Music	2 <sup>nd</sup> position
Arts	3 <sup>rd</sup> position
Drama	3 <sup>rd</sup> position



## B Tech

# Commencement of B Tech

This landmark decision has paved way for the much needed ‘enhancement of academic threshold & qualification’ of NDA cadets. Presently, the Academy is conducting B Tech prog for all Naval Cadets (wef 136 Course) & all Air Force cadets (wef 137 Course), with the aim to commence B Tech for 50 Army cadets in Jul 2017.



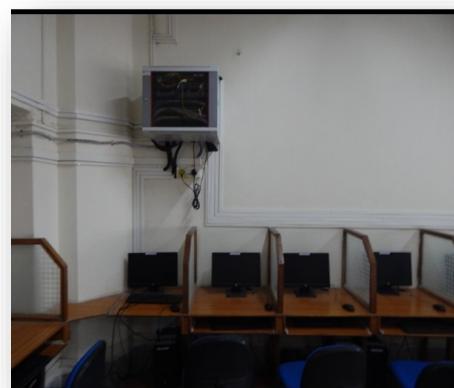
## B Tech for Army Cadets

Actions are being progressed for commencement of B Tech for Army Cadets with NDA (B Tech Cell) as the Nodal Agency. Syllabus is being reframed with inclusion of Humanities and FL / Hindi.



## Readiness for Transformation

Procurement of 3rd and 4th term B Tech AEC Lab Equipment is progressing promptly. Case is at benchmarking stage. EDC is May 2017. I and II term text books have been procured and distributed in an expeditious manner.



# Inauguration of Raman Block

Raman Block, in memory of 2/ Lt PM Raman, AC (Posthumous), was inaugurated by Air Marshal JS Kler, AVSM, VM, Commandant NDA on 16 Jan 2017. New facility in terms of four class rooms & four high-tech Labs have been constructed to facilitate conduct of B Tech Classes.



## E-Tablets

NDA has distributed 50 e-tablets to Cadets. These are loaded with B Tech study material and presentations. Additional 80 Tabs are under procurement process.



## Rationalisation of Academic Curriculum

Rationalisation of Academic curriculum has been done in view of commencement of B Tech. Towards this, B Tech cadets will get opportunity to learn Humanities subjects like History, Geog, Economics and Pol Science. BA Curriculum is being tweaked to include Mil Geog and Joint Trg is being conducted in the first 4 terms only.



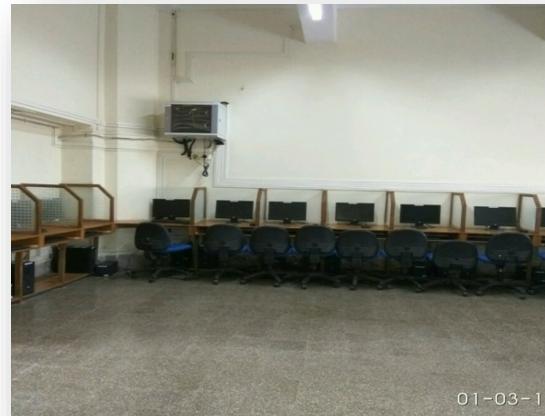
## New RRs

The process for amendment in the recruitment rules for CAOs has commenced. The proposed new RRs are in tune with AICTE norms to cater for B Tech requirements. Draft RRs for 48 Civilian Academic Officers have been forwarded to HQIDS/JSP (Pers) in Nov 2016.



## NKN Related

The implementation of NKN at NDA ensures access to Academic resources of other technical institutes, to be exploited at NDA.



## *Education*

## FDP

Continuous efforts are being made to expose the academic faculty to newer educational programmes and techniques, and will aid the faculty in remaining abreast of best practices / knowledge.



## Peel Off Factor

Based on inputs from NDA, HQ IDS is considering inclusion of appropriate criterion in draft RRs for selection of suitably qualified retired Service Officers (with M Tech qualification) for the post of CAOs. Further, it has been proposed that senior reps of HQ IDS /NDA may be included in the Selection Board for recruitment of CAOs. This will enable selection of suitable retired service officers with reputed background and will enable technically qualified short service officers to be absorbed as civilian faculty at NDA to teach B Tech subjects post retirement.



## English Coaching

The teaching of Foreign languages to cadets (including B Tech) is now being done from first to third semester. Coaching of English is done in language labs for correct pronunciation and better learning of language. Special coaching is being undertaken for foreign Cadets during club periods.



## Modernisation of Physics Lab

The work includes modern lab furniture and misc B/R wk. The wk is on the same lines as the Chemistry lab modernization wk. This will provide impetus on necessary academic infrastructure, in line with our vision for greater academic threshold for Cadets.



## Cadets' Welfare

# Kitchen Renovation

The Ph-I of Kitchen renovation has been executed with a lot of perseverance. A state-of-the-art NDA bakery is now functioning in the new premises. Relentless efforts are on to utilize the new machinery to full potential.



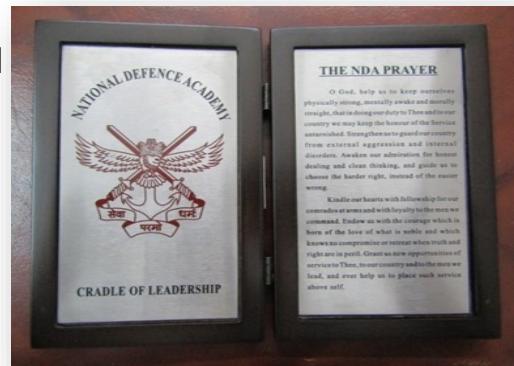
# Floor Cleaning Machine

Floor Cleaning machines have been procured for upkeep of the Sqn premises and other important bldgs in NDA.



# NDA Memorabilia for Cadets

A 'Prayer Book' comprising the NDA prayer was designed and is given to each Cdt. The Cadet's name and number is affixed on the Prayer Book. In addition, a custom designed wall clock is presented to each passing out Cdt during POP.



# Cycle of Cadets

1400 x Cycles have been procured in last one year, thereby replacing almost 75 % of Cycles used by cadets. The tyres are tubeless now but the bike remains the “Academy Helicopter”.



## Mattresses and Pillows

1200 x Mattresses have been replaced in last one year, thereby replacing around 65% of mattresses. 1000 x Pillows have been procured, thereby replacing almost 55% of Pillows for Cadets.



## POP Invitation Card

Apart from showcasing the grandeur of the Academy, a photo of each individual Cadet is inserted in the respective Cadet's card, thus adding a personal touch.



## Cadets' Welfare

### Bathroom Renovation

27 x Bathrooms have been renovated in the last nine months. 53 more Bathrooms are under renovation. This has improved the habitability conditions in Squadrons.



### Upgradation of Cadets Mess (25%)

The upgradation includes B/R wks, kitchen eqpt, Mech Ventilation and furniture work in all five kitchens of Cadet Mess. No 5 Kitchen has been completed in all respect and is already being used.



### Solar Water Heating System (56%)

NDA has tapped solar energy to provide hot water to all Sqn buildings. Solar panels have been fitted in Bn Areas to provide increased and uniform water pressure at each floor of the sqns.



# Works at New Long Range

The newly constructed store rooms at new long range will enable stocking of targets and other assets, thereby saving on infructuous movement of veh and manpower during firing practices. The wk is likely to be completed by May 2017.



## Drill Nursery (5%)

In order to provide cover for drill training during monsoons, a project to construct roof over Nursery has been initiated. This will provide flexibility to Drill staff to continue with Drill training even during rains.



## Maintenance of Sqns

Dedicated End of Term (EOT) maintenance is carried out each term during term break. This has ensured a ship shape appearance of Sqn premises at all times.



## Cadets' Welfare

### Porta Cabin (5th Bn)

120 additional Porta Cabins are under construction in 5 Bn area. This will address the problem of shortage of accn in No 5 Bn.



### Dental Scalar

Dental Scalar has recently been procured and handed over to Military Dental Centre at NDA.



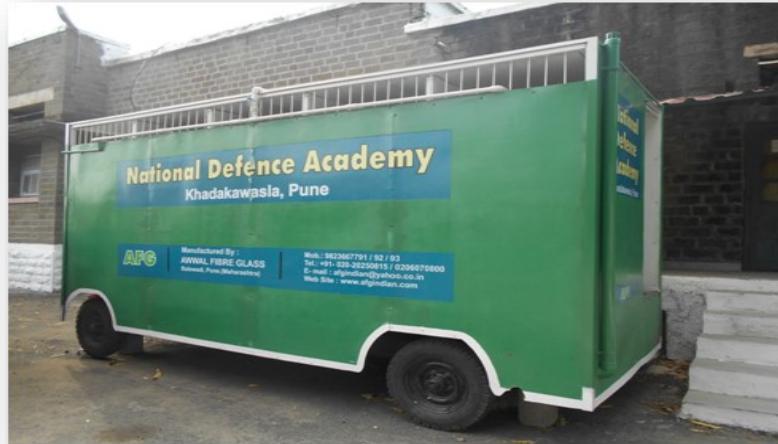
### Parade Ground

Granite bases have been constructed for Displays in Parade Ground and this has enhanced the look of the iconic Khetarpal Parade Ground.



## Mob Toilet

Mob toilet with inbuilt provision of electric and water supply has been procured and customized to NDA needs, for camps and outdoor trg exercise.



## Electrical Bill Saving

By replacing HPSV lights with LED lights and placing capacitor Banks in main receiving stn, a lot of savings have been accrued to the govt exchequer as also aided in energy conservation.



## New Eqpt at Dhobi Ghat

Roller Press has been acquired for Cadets and placed at Dhobi Ghat. This has eased the ironing load and ensured faster delivery of smarter uniforms to cadets.



## Troops' Welfare

# Ready for Monsoon

Monsoon 2016 witnessed unprecedented rainfall on almost daily basis. In view of the same, raincoats and umbrella shelters were procured and provided to standing guards at all the entry pts of NDA. Temp shelters to house gd details, were also water proofed adequately.



# Basic Amenities

The vast acreage of NDA has numerous posts, with DSC men deployed round the clock. A number of items have been procured to ensure comfort of troops at various posts.



# Enhancements

Ten LED flat screen TV sets were procured and installed at select DSC posts and the DSC bks. Sentries were issued with a 'focused beam' LED torch.



# New RO Sys & Water Coolers

To ensure the basic requirement of clean drinking water for troops, water purifiers, RO systems and water dispensers were installed at the JCO, NCO, DSC Messes, barracks and various gates between Jun to Oct 2016.



## Comfort and Welfare of Men

A heavy duty refrigerator was installed in the DSC Mess, and ACs were installed in the Sainik Instt and JCOs Mess. The dining hall of the Sainik Mess underwent a major overhaul with new dining table and chairs being procured. The guard detail at Kondhana was provided with new NDA Tracksuits.



## DSC Championship

DSC Coy, NDA was adjudged 1st amongst 30 units in Dakshin Maharashtra Sub Area and awarded the Coveted DSC Championship Rolling Trophy for the Trg Year 2016-17, for the first time in the history of NDA.



# Station Welfare

## 0TM Accommodation (40 Men)

A 40 Men barrack has been constructed with modern technology and latest scales of accommodation. The newly constructed accommodation has eased out space crunch, especially during POP time.



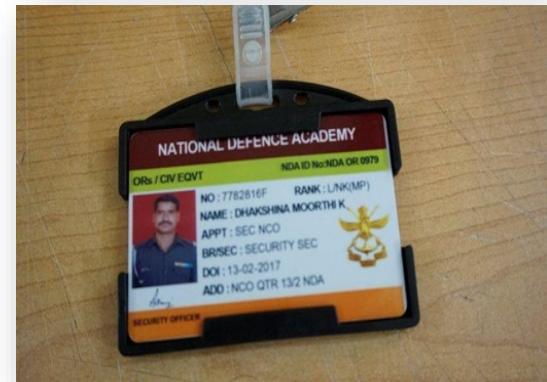
## Md Accn for Offr, JCOS, NCO & ORs

New Md Accn for Offrs –09, JCOS - 02, NCO-20 & Followers-36 have been constructed, resulting in user satisfaction.



## New Security Pass

Considerable emphasis is placed on security of the NDA and enhancement of the same is an ongoing process. In view of the same, New Security Passes were designed and have been issued to all NDA Service & Civ staff.



## Fogging Machine

To combat the mosquito menace, a Fogging machine was procured and handed over to DSC coy. The same is extensively used around the barracks and guard posts and has considerably reduced mosquito menace especially during the summer and monsoon seasons.



## New Road Furniture

Apart from diligent maintenance of the roads within NDA, constant endeavour is made to ensure safety of Cadets and vehicular movement. To this end, various types of new road furniture has been procured and deployed at suitable locations within the NDA campus .



## Alt Water Supply (10%)

The existing pipeline at NDA passes through civil area where lot of bldgs have come up over the pipeline. It is very difficult to maintain this pipeline in case of breakdown. The new proposed water pipeline will be laid on NDA land. The survey work is in progress for laying of line and construction has commenced at Filtration plant.



## Station Welfare

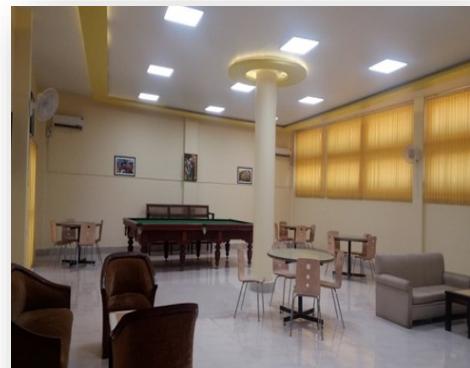
### Glass Fountain

In a bid to beautify the Offrs' Mess, a major overhaul of the entrance was carried out. Greco-Roman Pillars and glass fountain was installed. The ceiling was restyled, greatly enhancing aesthetics of the Offrs' Mess.



### OSB - Enhancement of Décor

The Oval Snack Bar (OSB) was also remodeled with extensive work being carried out on the roof of the structure. New furniture and ACs have also added to the enhancement of décor and ambience.



### Illumination

A complete set of lights to illuminate and decorate the Offrs' Mess was procured. Thus, the Offrs' Mess is self sustaining in terms of decorative lighting and the need for hiring of the same no longer exists now.



## Trident - New Look

Trident Restaurant, a part of the Offrs' Institute at Bombay Stadium, got a whole new look with the interiors being completely renovated.



## Crèche

In order to provide a colourful and conducive play area for kids, the crèche at the Offrs' Mess was completely redone with number of new toys procured and the walls gaily painted.



## Guest Rooms at Bombay Stadium

Five Guest Rooms have been renovated to match up to NDA stds. Five more are currently being renovated.



## Station Welfare

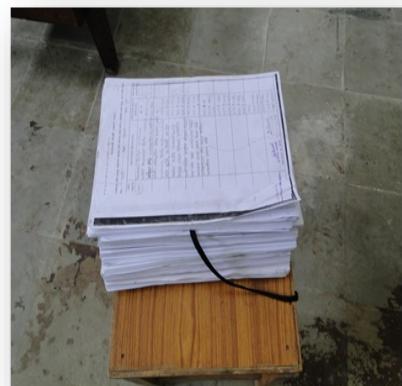
### Tree Plantation

As a part arboriculture training of Cadets and in order to spread ecological awareness amongst the families and staff of NDA, a total of 2,500 saplings have been planted during tree plantation awareness drive conducted on 21 Jul 2016.



### Digitisation of Land Record

The land records in NDA were maintained as 7/12 extract and were not digitized. The complete land records have been digitized painstakingly, recording all details and copy of CDs have been distributed to Sub Area, DEO and Stn HQ, besides being preserved at NDA Archives Section.



### Repair of Roads

Roads showcase the upkeep standards of any station. A lot of roads have been improved / re-surfaced in last one year. These include road to long rg, Offr/JCO's/ OR Md Accn and Main rds.



## Pressure Cleaning Machine

Pressure cleaning machine has been procured for upkeep of Academic blocks. One can see a marked change in the cleanliness of classrooms and corridors.



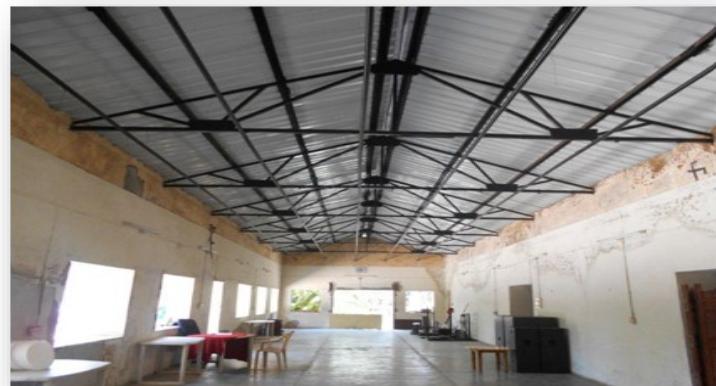
## Renovation of Asha School

Asha School has been renovated in a married accn to cater for needs of Special children.



## Ekta Vihar Community Hall

The Community Hall is being renovated. The wk is in prog and likely to be completed by May 2017. The Hall is highly subscribed by Gp 'C' employees of NDA.



## New Infra

### Class Room & Briefing Room at AFTT

The space crunch for Air Force Cadets at AFTT has been mitigated with the construction of one classroom and briefing room.



### Locker Room for AircREW

A much required Locker Room has been constructed at AFTT for Air Force Cadets.



## Works Completed

### Granite Gate at Manoj Pandey Block

The old cement gate of MP Block has been replaced with new age Black Granite gate, adding more beauty to the facade of erstwhile Science Block.



## Fencing of 45 Acre Land

Construction of fencing at 45 acres land pocket at Shivne has ensured security of Defence land outside NDA. This area was prone to encroachment and the issue has been addressed satisfactorily.



## Cook House Shelter

A Cook House shelter has been fabricated for Camps and outdoor catering to ensure better cooking conditions and Camp Hygiene.



## Gate at Bombay Stadium

The Bombay Stadium becomes the centre of attraction during EOT events. A new gate has been constructed towards D3 circle exit, adding grandeur to the arrival of Chief Guest during PT & Equestrian Display as also serve as the grand finale of Cross Country Competition.



# New Infra

## Works in progress

### Sqn Bldg (46%)

Presently P Sqn is housed in top floors of M, N and O Sqns. P Sqn new building is likely to be completed by Oct 2017 and will address the accommodation problem in No. 4 Bn.



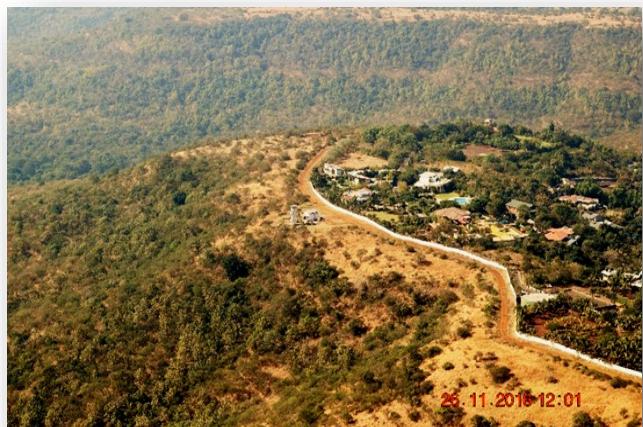
### Swimming Pool No 3 (10%)

The 3rd Swim Pool is coming up behind ATT and will address the enhanced Cadet strength for swim training.



### Boundary Wall (90%)

Boundary wall of 19 kms has been constructed, with motorable road all along the perimeter.



# Arjan Marg

The periphery road of NDA runs along the boundary wall for a distance of 42 kms. Out of this, the road from Tri Shakti Gate till Peacock Bay Gate has recently been constructed, totaling a distance of 27.2 kms and has been named 'Arjan Marg', after the legendary Marshal of the Air Force.



## Deficient Storage Accn (9%)

The wk is to be executed at seven different sites and has commenced at MH Khadakwasla, JTT and QM sec.



## Deficient CGO Accommodation (22%)

The subject wk has been undertaken to provide status accns to HoD of all depts of Edn Branch. This will increase satisfaction among the CGOs as also release other Govt accn for allotment to entitled service officers.



# R e g i m e n t a t i o n

## Tri Shakti Gate

The Academy has taken proactive steps in beautifying the surroundings at NDA. One can see a distinct change in the upkeep of Displays all over, with minutest details taken care of...a glimpse of conspicuous pennants atop a freshly painted tank !



## Commandant's Office

Charity begins at home.....The Commandant's Office boasts of many high profile visits and accordingly, the entrance has been tastefully done up recently. The magnificent NDA Crest stands out on the maroon velvet background...



## New Notice Boards in Sudan Block

Even the mundane and ordinary has been enthused with life. Notice boards, backlit by LED, now grace the Sudan Block corridors.



# Vyas Library

While most buildings had been getting the intended focus, Vyas Library maintained its Spartan appearance. The Central Foyer has now been enhanced with portraits of Marshal of the Air Force & Mr T N Vyas and artifacts from NDA Museum.



## Honour Boards in Sudan Block

Honour Boards of our Gallant Heroes have been given a fillip, with fresh paint and better appearance. One can see these boards as one enters through Sudan Block main steps.



## Portrait of 2/Lt Raman - Sudan Block

Since the commissioning of Raman Block for B Tech, an appropriate portrait has been installed in the Sudan Block Grand Foyer. Each day, bouquet of flowers are placed below the portraits of our Heroes.



# R e g i m e n t a t i o n

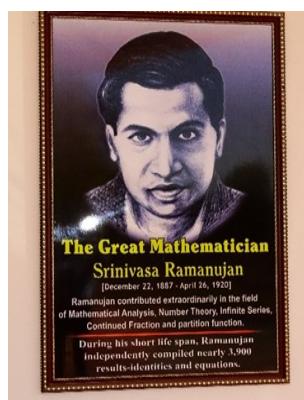
## HOR

HOR is our Sanctum Santorum. A number of enhancements have been made at HOR. These have ensured a more pristine look to sanctified sanctorum.



## Rakesh Sharma Block

The entrance lobby of Rakesh Sharma Block has been adorned with portraits of Wg Cdr Rakesh Sharma, AC and the great Ramanujan.



## Telephone Exchange

As part of beautification of Tele Exch, a new aluminum Bakelite name board with steel finishing has been installed at Tele Exch.



## Anchored Forever

New Anchors were acquired from Western Naval Command at Mumbai. These have found the pride of place at NTT and Kondhana.



## Rakesh Sharma Block

The newly constructed gate at RS Block has improved the overall aesthetics of the block. The newly acquired Battle tank has further added to the outer facade of RS Block.



## Cadets' Mess

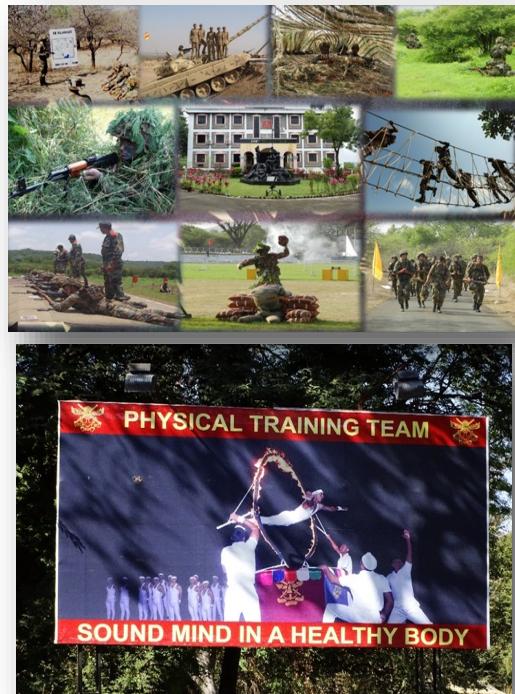
The forlorn table of POW/MIA, at the entrance of Cadets Mess, has become even more picturesque and exquisite with the installation of POW/MIA mural which has been carved with the NDA crest against the maroon background.



# Regimentation

## Flex Boards

The beauty of Academy has been significantly enhanced by installation of suitable Flex Boards across the academy. These have been carefully selected to espouse Pride among Cadets.



## MP Block - New Tower Clock

The historic clock at MP Block has been replaced with modern LED dials and accurate GPS based time and siren system. In addition, the siren has been changed with a louder one, audible till the farthest NDA outposts.



## Bust Compendium

A number of Busts have been installed throughout NDA over the years. In order to sensitise one and all about the Haloed Warriors / Military Leaders, a compendium of busts installed at NDA has been printed and being issued to Offrs and Cadets.



# New Band Eqpt

New eqpt ex-Scotland have been procured and silver & nickel plating of all band instruments has been undertaken. All trophies have been silver polished and repaired.



## Memorabilia

A number of Gift items viz NDA Caps, NDA Lapel pin and NDA Memento have been designed afresh and have been widely appreciated by all users.



## Battle Tank Near Kondhana

A battle tank has been acquired and displayed at C area with two dummies. It reminds the visitors of the glorious Armoured traditions of courage, valour and sacrifice.



**End  
of  
Term  
Activities**

**Autumn  
Term  
2016**

## NDA Expo

The 'End of Term Expo NDA Exhibition' was held at RS Block from 26-28 Nov 16. The same was inaugurated by Mrs Jasjeet Kler, President FWO on 26 Nov 16. 19 Clubs of the Academy participated in the exhibition.



## PT & Equestrian Display

PT and Equitation Display was further fine-tuned with the inclusion of Para Demo by Akash Ganga Team from PTS.



## SKAT Display

After a long gap, Surya Kiran Aerobatic Team performed over Salaria Square on 29 Nov 16.



# Convocation

Convocation Ceremony of 131 Course was held on 28 Nov 16 at Habibullah Hall. Prof M Jagadesh Kumar, Vice Chancellor, JNU was the Guest of Honour.



## Light & Sound Show

Light and Sound Show showcasing the history and organisation of NDA and valour of its alumni was conducted on 23, 25 and 28 Nov 16. The same was widely appreciated by one and all.



## POP

POP of 131 Course was reviewed by Dr Subhash R Bhamre, Hon'ble Minister of State for Defence on 29 Nov 16 and witnessed by various important dignitaries, Alumni of NDA, parents of Cadets, students of various local/outstation schools, NDA Officers, Staff and their families.



# Crystal Gazing

**2017 - 2022**

## 5 Bn - Major Infrastructure Planned

It is planned to construct infrastructure for 5th Battalion at a cost of Rs 232 crores for which the AON of MoD has already been received. The major assets planned are as follows:-

- Four squadron buildings.
- One new and bigger auditorium with a seating capacity of 3000 cadets.
- One new Mess with capacity of 800 cadets.
- 16 class rooms and eight laboratories.
- One Spectator Gallery in Parade ground.

## 5 Bn - Sports & Adm Infra Planned

- An indoor gymnasium.
- 4th swimming pool for additional cadets.
- Four grounds each of Football, Hockey, Volleyball and Basketball
- Four stables for horses.
- Accommodation for staff – both single and married.
- Four store houses and 20 additional beds in MH.
- 18 vehicle garages, Augmentation of Water and Electric Supply.
- Compound Wall, Fencing and Gates, Roads, Culverts, Paths and Hard Standings, Sewage Disposal and Area Drainage.

## Other Major Infra Planned

- 70 x Defi Offrs Married Accommodation through AMWP
- Security Wall of balance 17 kms for perimeter security.
- Officers Mess @ 22 crores.
- Children School @ 28 crores.
- 300 m Baffle Range

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