HONOUR CODE

I believe that a cadet must be 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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Lt Gen Ashok Singh, AVSM, SM, VSM

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Rear Admiral Anand Iyer, VSM

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They do in no way reflect the viewpoint of the organization/publisher or that of the editorial board.
The Editorial Board has the right to suitably edit the contents, keeping the spirit of the contribution in tact.
Lt Gen Ashok Singh, an alumnus of the 45th Course of NDA, was commissioned into 7 Guards in December, 1974. The General Officer is a graduate of Defence Services Staff College, LDMC, Master of Management Studies from Osmania University and Diploma in Advance Software Technology from CMC. He has held many command, staff and instructional assignments and has served in all types of terrain that our country has to offer. He commanded 7 GUARDS in Op ORCHID (Nagaland) where he received 'VSM' and the unit received COAS unit citation. He commanded a Mtn Brigade on the Line of Control and Cl in J&K and was awarded the 'SM'. He was GOC of a RAPID Div in deserts where he was awarded the 'AVSM'.

The Gen Officer has served as Defence and Military Adviser in High Commission of India, Islamabad, Pakistan from Dec 06 to Jul 09. The General Officer was Commander, Junior Command Wing at Army War College, Mhow from 05 Oct 10 to 29 May 11.

The Gen Officer commanded a prestigious 'Front Line Corps' from 30 May 2011 to 02 Aug 2012. Under his able stewardship 'Strike Corps' successfully drove through one of the biggest exercises of all times ever conducted by the Indian Army 'Ex Shoor-veer' during the heat of summers in Apr-May 2012, which was witnessed and well appreciated by COAS amongst other high ranking dignitaries.
From the Commandant's Desk

śauryam tejo dhṛtir dāksyam yuddhe cāpy apalāyanam I
danam iśvarabhāvaś ca ksatrakarma svabhāvajam II

(HEROISM, POWER, DETERMINATION, RESOURCEFULNESS, COURAGE IN BATTLE, GENTLENESS AND LEADERSHIP ARE THE NATURAL QUALITIES OF THE CapABLE.)

(Bhagvad Gīta, 18.43)

It is indeed a proud moment for me to share a couple of lines with the NDA fraternity and others through the columns of Trishakti, when the 123 Course officer-cadets pass out from the portals of this glorious Academy. With shimmering hope, subdued anticipation and ardent enthusiasm, they venture forth to be part of the history.

It is said a leader dreams and elicits a vision that proposes a future brighter than the present. With unflinching faith and courage of conviction, he inspires the men under him to fulfill the dreams. We groom our cadets to sustain and nurture their dreams, even under enervating odds. It is indeed a moment of reckoning for all of us to see our boys being transformed into gentlemen and officers, cubs being metamorphosed into tigers imbued with the vitals of training in this iconic institution, which vouches for 'Service Before Self'.

Let us now sit back and look at our achievements this term. Ably led by the 123 Course, all events of the cadets were planned and conducted successfully with élan. In this process of empowering themselves, our cadets have had sustained practice of leadership. I am happy to note that they have been rightly marching towards the desired direction to carve a niche for themselves and for the country. I am confident their unbound endeavour here and after will definitely wither away the dissolutions of impossibility, failure or fatigue.
The term in review (Autumn Term 2012) speaks about a plethora of events which needs to be documented. Keeping in sync with the present day knowledge revolution, we have undertaken a major IT drive to optimally utilize the technology available for training the cadets. Thin clients which were introduced in Spring Term 2011 are being widely used by the cadets for accessing e-learning packages. The classrooms have been automated by the installation of network system and VPS. The training infrastructure is upgraded: new firing range is being constructed along with new tactical training sheds and obstacle course. Additional equipments for 10 metre shooting have been procured and installed. The increased focus on cadets who are weak in PT have led to better performance, which can be measured by the reduced number of failures in the tests.

Further, improving the academic threshold in sync with the changing times has been a priority area. Therefore, the syllabi have been updated as per ISSG and ASG guidelines. Communication skills being a major prerequisite of the military leader, emphasis has been laid to promote such soft skills within the cadets. In the similar vein, the faculty is also exhorted to take-up the academic pursuits through participation in national and international seminars/symposia/conferences and in-service courses.

During the last term, our cadets did the Academy proud by achieving laurels in different equestrian championships, shooting competitions, debate and quiz competitions. Our Equestrian Team participated in National Equestrian Championship (NEC), Army Equestrian Championship (AEC) and Meerut Horse Show (MHS) from 01 to 10 Nov 2012. Amongst all top riders of the Country, NDA Team performed very well and won 18 Medals (03 Gold, 08 Silver and 07 Bronze) and 07 Highly commended (IVth) position in various events of the Championship. The NDA cadets also participated in the 18th Padmashree Jack Gibson Debate & Quiz Competition at Mayo College, Ajmer from 26 to 28 Oct 12. The NDA team won the laurels defeating twelve reputed schools & colleges from India & abroad.

The achievements apart, we are very keen to maintain and develop the natural setting handed over to us by our forerunners. I dare say that the NDA estate covering about 8000 acres is being conserved for our posterity. A series of initiatives have been taken towards rainwater harvesting, recycling of waste and reducing the carbon footprint. The backwash water from the filtration and sewage treatment plants is being recycled for the vast stretch of arboriculture. Check dams have been created so that water and natural habitat can be created in upper ridges for the fauna to be evenly distributed throughout the estate. The planting of samplings by every member of NDA community is a regular feature and the NDA fraternity has shown enough interest in not only maintaining the green cover but also promoting the same year after year. I would like to take this opportunity to thank the NDA community for providing full support and pulling the oars to take NDA to greater heights.

I am delighted that the Trishakti, the Journal of NDA, has evinced genuine interest among the readers. I compliment the editorial team for their efforts. It is indeed a testimony to the team work and jointmanship, which NDA is all about.

With best wishes

Lt Gen Ashok Singh, AVSM, SM, VSM
Commandant
From the Deputy Commandant's Desk

The National Defence Academy is a premier institution and a unique citadel of learning which hones multiple skills amongst the cadets and provides them with traits of leadership, brain and brawn to take the rightful place in the Armed Forces of India.

The Academy has indeed lived up to its ethos over the years. It has been constantly modernizing and upgrading its training – both academic and military – to meet futuristic goals in today's globally competitive environment. Inevitably, the knowledge and skill of our human resources will be a major asset vis-à-vis the emergent issues. I am sanguine that with NDA formulating its new syllabi in sync with the changing times; our cadets will keep themselves abreast with relevant technological inputs from day one of their career.

On our part, we are committed to foster in our cadets an admirable sense of honour, ethos and jointmanship, which will continue to resonate throughout their meaningful career as battle-ready officers of the future. Let us rededicate ourselves with renewed zeal, focused aims and a purposeful sense of pride in continuing our efforts to bring out the best in our cadets.

Shano Varuna
Jai Hind!

Rear Admiral Anand Iyer, VSM
Deputy Commandant & CI

Autumn Term 2012
To Our Readers...

The National Defence Academy is a unique institution. It has leveraged its present status on the legacy and tradition created over a period of six decades to co-create values for its stakeholders. It pursues a series of strategically crafted moves, precisely calibrated action plans and an unwavering commitment to the pursuit of excellence. It constantly strives to enter into the domains that have the potential to improve the quality of its cadets. It has a distinctive approach to training, which focuses on cadets. It provides for a sequential and progressive development in a complementary programme — academic, military and physical — in a moral-ethical climate, which builds a man of character, who often stands inspired to respond to the Call of Duty.

Inspiration is indeed the fundamental thing; to existence, to our achievements, to moving forward, to create value for others and finally to change. People who change the world are inspired always to shape a better world, every time a higher reality beyond the mundane ifs and buts. We are truly an inspired lot. We take all efforts to find solutions, where others discover problems. We hold on long after others would have let go. No road block or machination can deter us in our mission. Iron will and unshakeable optimism keep us forging forward. "The best way to find yourself is to lose yourself in the service of others", said Mahatma Gandhi. That is our motto, the motive force behind all our efforts.

While formulating and giving final shape to Trishakti, the veritable mouthpiece of NDA, we normally fall a prey to the habit of 'connecting dots', as the journal captures the nuances of the myriad activities in NDA and documents for the posterity the enviable achievements, memorable feats of our cadets. "From the Archives" column this time focuses on an interesting essay 'On Leadership' and an equally perceptive poem on NDA, collected from the AT, 1967 issue of the journal. This spark from the past, it is hoped, would ignite the minds of the present lot and inspire them to go ahead. In order to provide adequate food for thought, we have also included thought-provoking articles from our esteemed alumni and faculty.

We feel and hope this issue of the journal, like the previous ones, will reach the expectations of the readers. Au revoir!

Dr Nishamani Kar
Chief Editor
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Passing Out Parade: 123 Course

In the pleasant surroundings and beautiful early morning of 29 Nov 2012, 318 cadets of 123rd Course of National Defence Academy passed out, putting up an exemplary and spectacular parade after completing three years of successful training. Gen Bikram Singh, PVSM, UYSM, SM, VSM, ADC, Chief of the Army Staff (COAS), reviewed the Parade at the Khetarpal Parade Ground of NDA.

ACC Yash Sawarkar commanded the Parade. 1110 cadets were formed in 22 contingents immaculately dressed in blue patrol (uniform) in the Khetarpal Parade Ground.

The proud winner of the President's Gold Medal was 33265/E BCC B Shakya; 33368/1 ACA AV Kohale won the silver Medal, and 33238/M BCC A Chandel claimed the Bronze Medal for standing first, second and third respectively in the overall order of merit of the Passing Out Course. ‘November’ Sqn won the coveted title of Overall Champion Squadron and received the Chief of Staff Banner.

SCC Rohit Yadav led the Nishan Toli carrying the President’s Colour presented to the National Defence Academy by the President of India in 1978. Maj Chetan Pande, Officiating Adjutant, NDA riding on the grey charger “Warrior” conducted the parade.

Parents of passing out cadets, large number of retired and serving Defence and Civilian dignitaries, Officers, JCOs and Other Ranks and their families, NCC Cadets and School children from various part of the country witnessed the parade.

A breathtaking fly past was performed by 03 Super Dimona gliders of NDA as the Academy Cadet Captain and the Adjutant saluted the Reviewing Officer. A traditional fly past by 03 Jaguar aircrafts in VIC Formations was also held at the culmination of parade.

After the spectacular parade, a tea party was organized at the Salaria Square during which the guests got a chance to witness some spectacular feats and aerobatics performed by ‘Staring’ the IAF helicopter team of international repute.
POP Glimpses
Adjutant (offg) astride his charger 'Warrior'  'N' Sqn receiving the Chief of Staff Banner

The Final Steps
Address by the Reviewing Officer

Chief of Army Staff (COAS) Gen Bikram Singh, PVSM, UYSM, AVSM, SM, VSM, ADC, addressing the parade

Shri Shashikant Sharma, Defence Secy, Lt Gen AK Singh, PVSM, AVSM, SM, VSM, ADC, GOC-in-C, HQ Southern Comd, Lt Gen Ashok Singh AVSM, SM, VSM, Commandant National Defence Academy, Officers, Parents of the Graduating Cadets, Dignitaries and Dear Cadets -

As the Chief of Army staff, I am delighted to be back at my Alma Mater, the National Defence Academy, to review the passing out parade. It is a great feeling to be at the same place where the foundation stone of my career was laid. At the outset, I would like to compliment you all for the excellent standards of drill and for the immaculate turn out.

The National Defence Academy has taught you core military values of courage, integrity and selfless service. It has also ingrained in you the spirit of camaraderie and working together as a team, which is so essential for any operation. This will continue to be the bedrock on which the future battles will be fought. The time you have spent here helped you acquire professional knowledge and skills. As you step out and join your service academies, you must continue to further enhance, update and polish your skills in all times to come.

Inculcation of military leadership qualities is very important in the making of an effective officer. A true leader always leads from the front and sets examples for others to emulate. This is the real way to earn the
loyalty of those who follow you. Always remember, a leader is one who is not only mentally and physically fit, but one who is open to new ideas and can be calm and composed in difficult situations. And most importantly, a leader is one who can have the trust of those he leads. I exhort you to do what it takes to develop this trust and confidence.

The nature of warfare on the battlefield is constantly changing, as indeed are the various threats to our national security. We must always be fighting fit, and at the same time well acquainted to deal with the challenges of the knowledge era that we are living in. The application of Science and Technology in the field of defence preparedness and warfare is essential. You as future leaders must keep yourself abreast of new and emerging technologies, new age weapons and concepts of technology-driven warfare.

Dear Cadets, in due course of time you will become young defence officers of this great nation and your basic role will be that of a warrior and a protector, but you also have to act as an apostle of peace and hope to citizens in times of disaster, calamity and distress. Wherever and in whatever capacity you are, always remember that you are the last bastion of this country and you cannot afford to fail and let your country down.

Being the cadets of this great tri-service institution you must ensure that your character, discipline and integrity are absolute and unyielding. I urge you to keep your conduct and demeanour high and impeccable, and be an example for others to emulate. As you perform your duties, there may be times when you are faced with doubts, temptations, dilemmas and uncertainties. At such times, fall back upon the strength of the NDA motto – ‘Service before Self’. This should inspire you, as it has inspired generations, and will keep inspiring future generations.

I am pleased to know that National Defence Academy continues to expand and that it strives to maintain excellence in defence training and management. I would like to compliment the others and staff for their initiative and indulgence without whom this would not have been possible.

I am pleased that cadets from friendly countries are also passing out of our Academy today. I wish them success. The training that you have received here would not only help you in professionally serving your nation but will also be a reminder of the friendship between India and your countries and the many friendships you would have developed in the Academy.

In the end, I once again applaud the efforts put in for this spectacular display of excellent drill. My compliments to all parents and relatives present here. Like you, I too have a sense of pride in the young cadets. I congratulate the young cadets of 123 Course, on the successful completion of training and wish them exciting, challenging and successful times ahead. My specific congratulations is also due for the medal winners and the champion squadron. I also wish the officers of the Academy and those connected with it, all the best in their endeavour to scale greater heights of excellence and commitment to our national goals and cherished values.

Jai Hind!
Convocation: 123 Course

Convocation Ceremony for 123 Course was held on 28 Nov 2012. Lt Gen Ashok Singh, AVSM, SM, VSM, Commandant, NDA welcomed the Chief Guest Shri Prithviraj Chavan, Hon’ble Chief Minister, Maharashtra State. Prof OP Shukla, Principal, NDA presented the Academic Report of the 123rd course. In his address, the Principal outlined the various measures being taken to further improve the academic standards in the Academy and stressed the fact that it is a continuous process. He further added that the NDA was established with a view to train our future military leaders. The academic curriculum was, therefore, carefully drawn by eminent educationists to give a broad-based education to potential military officers. With the passage of time, the NDA curriculum has also undergone changes. The present academic curriculum of NDA has been recently updated as per ISSG & ASG recommendations to keep pace with the modernization and changing needs of services. He also added that necessary steps are being taken to upgrade the class-rooms with latest teaching aids. Internet connectivity has already been catered for and RFID & OPAC system has been installed in the Vyas Library.

Prof Shukla urged the cadets to aim at being officers and gentlemen and be capable of appreciating the complexity of modern warfare and the challenges that lie ahead. He wished all the graduating cadets the best of luck in their professional and personal lives.

Shri Prithviraj Chavan, Hon’ble Chief Minister, Maharashtra State, delivered the Convocation Address held at Habibullah Hall. 77 cadets were conferred with BSc (Computer Science) Degree, while 146 cadets and 90 cadets received BSc and BA degrees respectively from the Jawaharlal Nehru University (JNU). 33265/E BCC B Shyaka was awarded the Chief of Naval Staff Trophy for standing first in overall Order of Merit in Academics. 33393/R BCA P Singh was awarded Commandant’s Silver Medal and Admiral’s Trophy for standing first in Computer Science Stream. 33349/Q BCC AS Bhat was awarded the Commandant’s Silver Medal and Chief of Army Staff Trophy and replica for standing first in Science Stream and 33265/E BCC B Shyaka received the Chief of Air Staff Trophy and Commandant’s Silver Medal for standing first in Social Science stream. Passing out cadets, their parents and the officers of the Academy were present on the occasion.

Finally Rear Admiral Anand Iyer, VSM, Dy Commandant & CI proposed the vote of thanks.
Convocation Address

First of all, I congratulate all the cadets of 123rd Course of the prestigious and prime defence training institute for completing the course and I wish them all success in their future career in the Armed Forces.

It is indeed my privilege and honour to deliver this convocation address at the prestigious National Defence Academy which has given India a number of great military leaders who have done this country proud. The National Defence Academy is truly a unique institution in the world which has been built with great vision and has maintained its highest standards of discipline and training with utmost care. The nation talks of NDA with great respect and pride. The NDA is also indeed a pride of Maharashtra and as Chief Minister it is my privilege to be amongst you.

India's Armed Forces have a proud record of service to our country. Their exemplary conduct, both in peace and in war, their deep commitment to the pursuit of excellence and their proven dedication to our nation's ideals are a mighty source of pride and inspiration for the people of our country. You are therefore inheritors of a great tradition and treasure of national service in the finest sense of the term. This Academy attracts some of our best and brightest young men. You are a chosen lot, the best of the best. The education and training that you receive is designed to prepare you for the role of future leaders of our Armed Forces and as guardians of the Nation.

There are certain moments in everyone’s life which are most cherished. Graduation is one such moment. But always remember that it is not the end. This day marks a new beginning for you. The quest for knowledge is endless. The more you explore and seek, the more you will achieve. The only thing that is constant is the word ‘change’. We need to embrace change. Technology has improved by leaps and bounds and is doing so as I speak. Education is a continuous process and should aim at a balanced growth of individual incorporating both knowledge and skills. It should educate and train, and at the same time bring grace and love into the heart of people.

The greatest challenge which the world faces is the challenge of moral and ethical decay. As leaders of men, you will wield enormous influence. The men and women placed under you will look upon you as a role model. They will follow your orders unflinchingly. So make sure that you have the highest standards of integrity and that your conduct is impeccable. The advancement of technology brings along with it many vices. Do not
succumb to it. The entire nation is proud of you for what you stand for—your moral standard, character and human values. These are the most important virtues one must inculcate and preach.

I would urge the graduating cadets to be counted amongst those who make a difference to our country. You must seek first to understand before being understood. You must define your personal vision and responsibility. Most important of all, you must aspire to excel in all your endeavours since real excellence is an integral part of living. You clearly have been trained with a view to excel, and coupled with the will to excel you have the power to attain the highest goals. You will need to work with others, what I term as creative cooperation, in which there would be synergy of expertise. Choose to drive with the windshield vision and not with the rear view vision. Always think big and dare to dream. Today's world offers challenges and opportunities that were not there before—take advantage of these.

I am sure that the NDA has provided you with a sound knowledge-base to forge ahead. You have been fortunate to be groomed in an Academy which has been proactive in aligning its curriculum and training patterns with global standards and with emerging technology. Now the onus is on you to build on this platform and move ahead. Never be complacent. Always look out for an opportunity to do things better. Remember there is always a better way to do things.

To conclude, I congratulate the graduating cadets of the 123rd Course and especially all the award winners on having successfully finished their graduation. I also compliment their parents for inspiring their sons to take up the noble Profession of Arms. The officers and the staff of this illustrious Academy are also worthy of praise. May all of you be blessed with success in all your endeavours. May your selfless service bring laurels to our Motherland.

Good Luck and Jai Hind!
PT & Equestrian Display

Para Jumping

'Dhawa' - Bayonet Charge

Vaulting through fire

Dare-devils in action

Warriors from the North East

Warriors in action
PT & Equestrian Display

Karate display
Karate display

Karate-display of breaking techniques
Vaulting

Show Jumping
NDA Crest in a tableau
NDA Expo

The creative skills and talents of the NDA cadets were on display in the three day exhibition - NDA Expo, which was inaugurated by the First Lady Mrs Usha Singh, President FWO on 26 Nov 12 at 1245hrs.

The aim of training at the Academy is also to develop an interest in extra-curricular activities amongst the cadets to mould their overall personality. A total of thirty clubs function at the Academy to ensure that the laid down objectives meet their logical conclusion during the training regimen of a cadet at the academy. These include both indoor and outdoor clubs.


Expo is organized as part of the End of the Term Activities and highlights the creative talents of the cadets. The cadets participated in this Expo with enthusiasm. Indoor clubs displayed exhibits like arts and craft, painting, music and other electronic items etc. made by them throughout the term. Other clubs like those of Archery, Dramatics and Debating, Aero-modelling, Radio and Electronics and Watermanship exhibited their skills with the display of their items. A large number of visitors including parents of the cadets and children from different schools visited the Expo. It also gave an opportunity for the parents to see for themselves the multifaceted talents of their wards.

Proficiency Awards. The following cadets were awarded Commandant’s Motivation Award for excellence in club activities during Autumn Term 2012 :-

<table>
<thead>
<tr>
<th>Ser No</th>
<th>Acad No/Sqn/ Course</th>
<th>Name</th>
<th>Club/Team</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>33956/H/125</td>
<td>Cdt Suchit Nautiyal</td>
<td>Arts Club</td>
</tr>
<tr>
<td>(b)</td>
<td>34424/J/126</td>
<td>Cdt Tanuj Pathania</td>
<td>Astronomy</td>
</tr>
<tr>
<td>(c)</td>
<td>34472/C/126</td>
<td>Cdt Shandeep Bal</td>
<td>Design and Craft</td>
</tr>
<tr>
<td>(d)</td>
<td>34864/K/127</td>
<td>Cdt Yash Kumar</td>
<td>- do -</td>
</tr>
<tr>
<td>(e)</td>
<td>33570/J/124</td>
<td>Cdt YS Jadon</td>
<td>Dramatics</td>
</tr>
<tr>
<td>(f)</td>
<td>33502/F/124</td>
<td>Cdt Jashandeep Singh</td>
<td>- do -</td>
</tr>
<tr>
<td>(g)</td>
<td>34888/F/127</td>
<td>Cdt Aaditya Gargya</td>
<td>Debate Team</td>
</tr>
<tr>
<td>(h)</td>
<td>34631/L/127</td>
<td>Cdt Pratik Mahendra Ahuja</td>
<td>Debate Team</td>
</tr>
<tr>
<td>(j)</td>
<td>34209/E/126</td>
<td>Cdt Namitesh Dixit</td>
<td>Quiz Team</td>
</tr>
<tr>
<td>(k)</td>
<td>33553/P/124</td>
<td>Cdt Sidharth Swain</td>
<td>Quiz Team</td>
</tr>
</tbody>
</table>
NDA Ball: Glitz and Glamour

It was an evening to remember and celebrate. The event which marks the culmination of the three years rigorous training and grooming for a NDA cadet culminates into an evening filled with dance, music and a night to remember. The event once again marked that our cadets are best and they "rock".

The cadet’s mess was beautifully lit and decorated. The cadets with their lady partners when entered the venue were awestruck and transshipped to a different era altogether. The cadets and their lady partners looked absolutely stunning. The entire evening was jam packed. Events that proceeded included the best dancing couples, numerous spot prizes, raffle draw and last but not the least the most Enterprising lady. There was music, dance and lots and lots of foot tapping. More so the not so good shakers also were motivated to break a leg or two.

The Comdt commenced the event with the rolling of the NDA Ball and the Jazz music flowed. The event also comprised the Ramp show by the beautiful models covering the Ethnic and Western wear. The gardens facing the Juliet san were filled with numerous stalls serving mouth watering dishes and snacks. The scene was such that many cadets were in a dilemma to do justice to food or dance. But, guess the DJ took their attention away from food by his foot tapping and soul gyrating music.

The Best Dancing Cadets were DCC Harvinder Singh, SCC Kuenga and ACA Kohale. Miss Enterprising was bagged by Ms Nidhi Awasthi who managed to dance with a total of 64 cats to win a fantabulous prize. All the prize winners were blown out of their minds to receive prizes ranging from top end laptops, LED TV, ipads, cameras, exquisite watches and designer bags.

The NDA Ball marks the culmination of the training that the cadets undergo at the end of the sixth term. The event is not just looked forward by NDA cadets but also by Pune girls and corporate, who just want to be a part of the grand finale. The ball was a huge success and has made a permanent mark not only in the hearts of the cadets but also the entire NDA fraternity. The cadets can now cherish the words of a famous singer “A Night to Remember”.
### Hall of Fame - Medals and Trophies

<table>
<thead>
<tr>
<th>Award</th>
<th>Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>The President's Gold Medal (First in Overall Order of Merit)</td>
<td>33265/E/123 BCC B Shakya</td>
</tr>
<tr>
<td>The Silver Medal (Second in Overall Order of Merit)</td>
<td>33368/I/123 ACA AV Kohale</td>
</tr>
<tr>
<td>The Bronze Medal (Third in Overall Order of Merit)</td>
<td>33238/M/123 BCC A Chandel</td>
</tr>
<tr>
<td>Commandant's Silver Medal (First in Science Stream)</td>
<td>33349/Q/123 BCC AS Bhat</td>
</tr>
<tr>
<td>Commandant's Silver Medal (First in Computer Science Stream)</td>
<td>33393/R/123 BCA P Singh</td>
</tr>
<tr>
<td>Commandant's Silver Medal (First in Social Science Stream)</td>
<td>33265/E/123 BCC B Shakya</td>
</tr>
<tr>
<td>The Best Army Cadet Medal</td>
<td>33265/E/123 BCC B Shakya</td>
</tr>
<tr>
<td>The Best Navy Cadet Medal</td>
<td>33393/R/123 BCA P Singh</td>
</tr>
<tr>
<td>The Best Air Force Cadet Medal</td>
<td>33183/H/123 ACC Y Sawalkar</td>
</tr>
<tr>
<td>Commandant's Silver Medal (First in the order of merit in Academics)</td>
<td>33265/E/123 BCC B Shakya</td>
</tr>
<tr>
<td>Lachit Barphukan Medal for Best Cadet in OLQ</td>
<td>33302/D/123 BCC Deepak Kandpal</td>
</tr>
<tr>
<td>Commandant's Motivation Medal</td>
<td>33242/C/123 BCA Akshat Joshi</td>
</tr>
<tr>
<td>Silver Medal for Best Cadet in PT</td>
<td>33368/I/123 ACA AV Kohale</td>
</tr>
<tr>
<td>Silver Medal for Best Cadet in Drill</td>
<td>33203/J/123 BCA N Shipekar</td>
</tr>
<tr>
<td>Best Sportsman of the Passing Out Course</td>
<td>33242/C/123 BCA Akshat Joshi</td>
</tr>
<tr>
<td>Silver Medal for Best Cadet in ODT</td>
<td>33203/J/123 BCA N Shipekar</td>
</tr>
<tr>
<td>Silver Medal for Best Cadet in Riding</td>
<td>33425/F/123 Cdt A Rajpurohit</td>
</tr>
<tr>
<td>Silver Medal for Best Cadet in Sailing</td>
<td>33068/B/123 Cdt Kaushal Pednekar</td>
</tr>
<tr>
<td>Silver Medal for Best Cadet in Shooting</td>
<td>33275/A/123 Cdt Parveen Mishra</td>
</tr>
<tr>
<td>Silver Medal for First in Overall Foundation Course</td>
<td>33349/Q/123 BCC AS Bhat</td>
</tr>
<tr>
<td>Silver Medal for Best Foreign Cadet – Bhutan</td>
<td>33053-B/D/123 Cdt Kuenga</td>
</tr>
<tr>
<td>Replica for Maximum contribution towards jointmanship</td>
<td>33238/M/123 BCC A Chandel</td>
</tr>
</tbody>
</table>
Award

The Chiefs of Staff Trophy
First in Order of Merit in Academics
(CNS Trophy presented by Admiral OS Dawson, PVSM, AVSM)
First in Science Stream
(COAS Trophy presented by Gen K Sunderji, PVSM)
First in Computer Science Stream
(Admiral’s Trophy presented by Admiral Suresh Mehta, PVSM, AVSM, ADC, Chief of Naval Staff)
First in Social Science Stream
(The CAS Trophy presented by Air Chief Marshal NC Suri, PVSM, AVSM, VM)
First in Specialist Service Subjects (Army)
(Cup presented by Govt of U.P.)
Best Cadet in Weapon Training
(Ashoka Pillar presented by Pandit Jawaharlal Nehru)
First in Specialist Service Subjects (Navy)
(Cup presented by Govt of Madras)
Second in Specialist Service Subjects (Navy)
(Cup presented by Admiral Sir Mark Pizey)
Naval Cadet Standing First in Astro Navigation
(Trophy presented by Admiral OS Dawson, PVSM, AVSM)
Best Cadet in Seamanship
(Trophy presented by Vice Admiral Madhvendra Singh, PVSM, AVSM, ADC, FOC-in-C, Western Naval Command)
Best Helmsman in Yachting
(Cup presented by Vice Admiral RD Katari)
First in Specialist Service Subjects (AF)
(a) Cup presented by Govt of Hyderabad.
(b) Replica of the above trophy, instituted by Shri SS Jog.
Best Air Force Cadet in Flying
(a) Cup presented by Govt of Madhya Bharat.
(b) Replica of the above trophy, instituted by Shri SS Jog.
First in Air Force Ground Subjects
(Late Flt Lt PV Apte Trophy)

Winner

33238/M/123 BCC A Chandel
33265/E/123 BCC B Shakyaa
33349/Q/123 BCC AS Bhat
33393/R/123 BCA P Singh
33265/E/123 BCC B Shakyaa
33014/B/123 Cdt Neeraj Sharma
33014/B/123 Cdt Neeraj Sharma
33247/G/123 Cdt Abhijeet Patil
33402/O/123 Cdt Rishabh Datta
33297/D/123 Cdt Sarthak Bhatia
33304/L/123 Cdt Ashish Bisht
33068/B/123 Cdt Kaushal Pednekar
33183/H/123 ACC Yash Sawalkar
33183/H/123 ACC Yash Sawalkar
33793/G/123 Cdt Arjun Anthony Rebello
MISSION AND VISION OF NDA

Vision of NDA with long term perspective as enunciated in the Vision 2022 document conforming to Five Year Plan was formulated. The planning that was conceptualized has allowed us to provide high standards of professional, intellectual, physical, leadership and ethical training equipped with innovative concepts, latest technologies and modern practices. To stay on course and remain focused to our stated vision, an analysis was carried out during the term and course correction wherever necessary, has been executed.

New Initiatives in Training: The training syllabus is reviewed and refined to meet the changing needs of the Armed Forces. An in-house joint services presentation was conducted for cadets and officers during the term.

IT Revolution and Upgradation of Training Infrastructure:

a) Information Technology: Keeping in sync with the changing times, NDA has undertaken a major IT drive to optimally utilize the technology available for training the cadets. This include the following:

- Thin Clients. Thin clients were introduced in Spring Term 2011. To ensure that the study material is available to the cadets round the clock, each Training Team and Department has prepared lesson plans and computer-based training programmes for the campus area network. Migration to e-learning is in full swing.

- Automation of Classrooms. Computers and projectors have been installed and the networking of the classrooms is put in place for dissemination of knowledge through the latest mode of presentation.

b) Up-gradation of Training Infrastructure:

- New Firing Range. A new firing Range is being constructed within National Defence Academy for training of the Cadets. The new improved range will have moving and snap targets, which will help develop better firing skills of cadets. Constr of Stop Butt and Marker's Gallery is already complete. Constr of Firing Points is under progress.
- **Tactical Training Sheds.** Five tactical training sheds have been constructed for the conduct of the tactical training at squadron level. The training of cadets can now continue even during bad weather and rains.

- **Obstacle Course.** The present obstacle course has been upgraded and improved. Additional obstacles have been constructed to save time of cadets so that a large number of them can undergo the training simultaneously.

- **Procurement of Shooting Equipment.** Additional and better equipments for 10 meter shooting have been procured besides enhancing the infrastructure.

c) **Training of Trainers:** A capsule on 'Training of Trainers' wherein all newly posted officers and civilian instructors undergo a week long training has been conducted.

**Improving the Academic Threshold:**

a) **Revision of Syllabus:** The NDA academic syllabi, including the syllabus of some service subjects, have been updated as per guidelines laid down by the Inter Services Study Group (ISSG) and Academic Study Group (ASG).

b) **Public Speaking Skill:** In addition to language curriculum, each squadron ante room has been developed into a virtual Public Speaking Lab. An Inter Squadron Public Speaking Competition has been conducted with participation of more than 300 cadets.

c) **Training:** A three day training capsule on, ‘Civilian Personnel Management’ in collaboration with Defence Headquarter Training Institute (DHTI) from 26th to 28th July 2012.

d) **Faculty Enrichment:** The academic officers have participated and presented papers in a number of national and international seminars/symposia/conferences. Some of them have also attended in-service courses.

**Infrastructural Development**

The Administrative Branch plays a pivotal role in ensuring that the training activities progress unhindered. Some of the recent initiatives are highlighted as under:

- **Manpower Enhancement/ Equipment Augmentation:** Additional Defence Service Corps (DSC) platoons have been posted to bolster the existing security set-up. Access control systems and digital surveillance cameras with night recording facilities and digital wireless communication systems have been installed.
• **Upgradation of Cadets Mess:** The Cadets Mess is upgraded with the latest kitchen equipments.

• **Environment:** Over the years the NDA has constantly endeavored to play a pivotal role in conserving and improving the green cover in NDA estate. A number of measures have been initiated to reduce carbon footprints. Construction of check dams for water conservation, bio-gas plant for use of waste and frequent planting of saplings is a regular feature in the Academy calendar. The Academy has observed the Environment Day on 16th July 2012. The NDA also celebrated the International Coastal Cleanup Day at the banks of Khadakwasla lake.

• **Army Public School and Army Pre Primary School:** The APS and APPS are functioning smoothly under the aegis of the Army Welfare Education Society (AWES) and they are marching ahead in search of excellence.

• **Dy Comdt's Residence:** A grand view of the Dy Comdt's Residence which has been renamed as "Torna" from Autumn Term 2012.

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**Inter Battalion Competitions:**

**Quiz Competition.** Inter Bn Quiz Competition was held on 25 Jul 12 at 1900 hrs in Habibullah Hall. No 2 Bn won the coveted Quiz Trophy with 75 points. No 1 Bn secured 2nd position with 60 points and became Runners-up.

**English Debate.** The Bhawani Shankar Memorial English Debate was held on 03 Oct 12 at 1830 hrs in the Habibullah Hall. The topic for the debate was "Induction of Women into the Combat Arms of the Armed Forces will be a Step in the Right Direction". No 5 Bn lifted the Trophy with 708 points. 35325/E/128 Cdt Gurteg Singh, 34285/I/127 Cdt A Rawat and 33653/Q/124 Cdt Ankit Kumar received the Book Prizes. Commandant's Book Prize was awarded to 35325/E/128 Cdt Gurteg Singh.
Inter Bn Entertainment Evening. Battalion Entertainment Evening was held from 10 to 12 Oct 2012 in the Habibullah Hall. No 4 Bn won the competition with 230 points. The result in the individual category is given as under:

- BEST CHOREOGRAPHY - NO 4 BN
- BEST PLAY/SKIT - NO 5 BN
- BEST MUSICAL PERFORMANCE - NO 4 BN
- BEST ENTERTAINER (Cdt Prateek Bisht) - NO 3 BN

Cultural Vignette: To appreciate and develop interest in traditional and cultural value systems, eminent personalities were invited to perform at the Academy. The details of cultural events conducted during Autumn Term 2012 are given as under:

(a) Mrs Shallu Jindal performed a 'Kuchipudi Dance' recital on 14 Aug 12, at Habibullah Hall.

(b) A Hindi play titled 'Gustakhi Maaf' was conducted by the cadets on 12 Sep 2012 in the Habibullah Hall.

Night Sky Gazing. Night sky gazing for cadets of Astronomy club was conducted on 20 Oct 2012 at Polo Ground, NDA Campus.
Air Force Day Celebration.

The Anniversary of Indian Air Force was celebrated in NDA on 08 Oct 2012 with a lot of enthusiasm. An oath taking ceremony was organized for all Air Force personnel. The celebration was concluded with the cutting of traditional Air Force Day Cake. The function was attended by personnel from three services.

Navy Day Celebration.

The Navy Day was celebrated on 04 Dec 2012 to commemorate the glorious victory of Indian Navy in the Indo-Pak was of 1971. NDA being a tri-services organization, personnel from all the three forces along with the civilian staff posted at NDA were part of the festivities.

Tea with Cadet Appointments:
Dy Comdt interacting with the Cadet Appointments

Talks

On 11th July 12, Brig RR Palsokar (Retd.) talked on “Beyond the call of duty - Junior Leadership on the Battlefield”.

On 22nd August 12, Ex GC Navin Ghulia delivered an interesting talk on “Positive and Positive- The Key to Success”.

On 26th September 12, Admiral L Ramdas (Retd). PVSM, AVSM, Vr C, VSM, former Chief of the Naval Staff and Megsaysay Awardee for Peace addressed the cadets and officers on “Leadership and Man Management.”
During this term our cadets participated in many events outside the Academy and proved their mettle. These includes:

**18th Padmashree Jack Gibson Debate & Quiz Competition.**

The NDA cadets participated in the Gibson Debate & Quiz Competition at Mayo College, Ajmer on 26 Oct to 28 Oct 12. The NDA team won the laurels defeating twelve reputed schools & colleges from India & abroad. The achievements of the team are as under:-

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Name</th>
<th>Event</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>33635/Q/124 Cdt Ankit Kumar</td>
<td>Debate</td>
<td>1st Prize</td>
</tr>
<tr>
<td>2.</td>
<td>33519/C/124 Cdt Mehul Gupta</td>
<td>-do-</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>34808/I/127 Cdt Aditya Garuge</td>
<td>-do-</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>34631/L/127 Cdt Prateek Ahuja</td>
<td>-do-</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>34209/E/126 Cdt N Dixit</td>
<td>Quiz</td>
<td>1st Prize</td>
</tr>
<tr>
<td>6.</td>
<td>33533/P/124 Cdt Siddharth Swain</td>
<td>-do-</td>
<td></td>
</tr>
</tbody>
</table>

**Dance Club Visit to Bal Gandharv Theatre.** Cadets of Dance Club attended the Sumeru Dance School and Sarathi Foundation Show at Bal Gandharv Theatre, Pune on 31 Oct 2012.

**Visit to Nehru Planetarium and Science Centre, Worli, Mumbai.**


**NATIONAL EQUESTRIAN CHAMPIONSHIP, ARMY EQUESTRIAN CHAMPIONSHIP, AND MEERUT HORSE SHOW**

NDA Equestrian Team comprising 01 Officer, 01 JCO, 02 NCO's and 08 Cadets participated in National Equestrian Championship (NEC), Army Equestrian Championship (AEC) and Meerut Horse Show (MHS) held at Meerut from 01 Nov 2012 to 10 Nov 2012.

Riders from all over the country (Army personnel and civilians), participated in the Championships. Amongst all top riders of the Country, NDA Team performed very well and won 18 Medals (03 Gold, 08 Silver and 07 Bronze) and 07 highly commended IVth position in various events of the Championship.
Amongst all the participants of NDA Team, all the cadets need special mention as they performed exceptionally well and competed against experienced riders. The following cadets deserve special mention:-

(a) No 33740/P/124 Cadet S Huggi. The cadet performed brilliantly in tent pegging. Just before the last run of the competition, he was running in the medal tally, but unfortunately he missed two points at the last moment and missed his medal. However, he has shown excellent performance under competition pressure.

(b) No 34146/P/126 Cadet Abhishek Singh. The cadet put up very good show in preliminary jumping (normal) and won the highly commended IVth position. It is the same competition, where in he competed against ETO of IMA and NDA. Due to lack of experience, the cadet missed his Medal in the event.

(c) No 34170/H/126 Cadet S Sheron. The cadet won two Silver Medals in Show Jumping and two Bronze Medals in show class events. In competition arena, the cadet rode very intelligently which helped him win four medals.

(d) No 34548/C/127 Cadet P Deshmukh. The cadet won two Silver Medals in Dressage and two Bronze Medals in show Jumping. Though the cadet is novice rider still he rode his horse boldly and tactfully which helped him in winning four Medals.

(e) No 35264/B/128 Cadet S Chauhan. A first termer who has started riding recently due to his keen interest in horses and devotion to the sport, the cadet was included in Academy team. The cadet picked up riding skills and won one Silver and one Bronze in show class events.

Hard work by all team members of NDA Team specially cadets have helped the team win 18 Medals and 05 Highly commended position in the Championship.

Mid Term Educational Hikes. The following Mid-Term Educational Hikes were conducted from 19 Sep to 23 Sep 12. A total of 45 cadets accompanied by 2/3 officers each visited the under mentioned locations:-

(a) Aurangabad  (b) Goa  (c) Udaipur
(d) Mumbai  (e) Panchmarhi

End of Term Adventure Hikes. The End of Term Adventure Hikes are planned every term after concurrence of concerned authorities. Following hikes are being undertaken in the term break AT-12:-

(a) Scuba Diving Camp at Kochi /Lakshadweep.
(b) Fwd Area Tour to Jodhpur and Jaisalmer Sector.
(c) White Water Rafting at Kundalika River.
(d) Valley crossing at Dukes’ Nose.
Camps...

Camp Torna
Camp Rover
Camp Greenhorn
Camp Torna for Autumn Term 2012 was conducted on the foothills of Torna and Raigarh Forts, the two inspiring and imposing bastions of Shivaji's conquests. These two majestic forts were witness as the 123 Course cadets metamorphosed into proficient map-readers for tomorrow. The cadets and the Directing Staff (DS) displayed resolute commitment towards training.

Camp Torna for Autumn Term 2012 was conducted by the Army Training Team (ATT) inside Torna Valley, located approximately 65 kilometers from the Academy. It is a tri-service Camp, in which all sixth term cadets (214 Army, 58 Air Force and 42 Naval) of 123 Course underwent 10 days of army training. The camp was conducted in two phases at NDA and in general area Torna Fort. In Phase I, (18 Oct to 20 Oct 12) Army cadets were given practice in setting of platoon & section defences and verbal orders. The Phase II commenced on 06 Nov 12, with induction of Army cadets in the exercise area. 58 AF and 42 Naval cadets joined the Camp on 10 Nov 12 on their return from Ex Garuda and Ex Varuna respectively.
Camp Torna is a two sided semi-controlled tactical exercise conducted for VI" term cadets. Accordingly, the course was divided into two parts, each depicting a company of opposing forces, deployed in semi-mountainous terrain and separated by a four km wide No Man's Land/ Forward Zone. Battle procedure for defence commenced with phase two on induction of cadets into the exercise area. Cadets were moved to the debussing areas in service vehicles. On the very first day, cadets witnessed a demo on 'Occupation of Defences by a Platoon and Fighting a Defensive Battle'. Thereafter, the cadets were taken to their respective Company Headquarters at Hirpodi Spur (No Bn 1, No 3 Bn and Q Sqn) and Dhapodi Spur (No Bn 2, No 4 Bn and R Sqn), were the Company Commander gave their orders to cadets. For the exercise, cadets were in command of an Infantry Platoon and a Section. Based on the Company Cdr's orders, the platoon commanders and section commanders also gave their orders prior to commencement of the digging of defences.

The next two days and nights saw a plethora of training activities in the form of outdoor exercises, discussions in defences and routine of a platoon defended locality. The day at the camp commenced with stand to at the first light. The forenoons were devoted to operational discussions whereas the afternoons saw the cadets executing section in Quick Attack with I/WESS equipment.

During the night, cadets carried out patrolling and ambush in the forward zone and imbibed the concept of aggressiveness in defence. Albeit with lesser time available for the task, the cadets prepared their trenches and weapons pits well. They were assessed in detail for their performance in various exercises and drills.

Important events during the outdoor phase included lecture & demonstrations on 'Occupation of Defences by a Platoon and Fighting a Defensive Battle', 'Attack in Platoon Rod', 'Casualty Evacuation by Helicopter'. A Tactical Exercise without Troops (TEWT) was also conducted on fighting of defensive battle as a radio communication cum tactical exercise. Cadets rehearsed the mechanics of a platoon attack and the defensive battle while they moved on ground ahead of defences under respective Directing Staff.

Cadets were also given exposure to Long Range Recce and Observation System (LORROS), Battle Field Surveillance Radar (BFSR) & other Night Vision Devices (NVD) during the exercise. NVDs were used by the cadets during the conduct of ambush and patrol. Survival lunch cooked by cadets could not have tasted better under the existing conditions. Meat on Hoofs was also issued to the cadets. Cadets were provided with meals, as per the routine followed in defences.

The camp witnessed a number of senior and other NDA officers visiting the site from 06 Nov 12 to 13 Nov 12. Lt Gen Ashok Singh, AVSM, SM, VSM, Commandant NDA visited the exercise area on 08 Nov 12 and Dy Comdt Anand Iyer, VSM visited the exercise area.
on 10 Nov 12. During his visit, Comdt and Dy Comdt witnessed the attack and defence battle prepared by the cadets.

Defences were inspected on 12 Nov 12 wherein the team from ATT evaluated the Prepared Platoon Defended Locality and also assessed the practical and theoretical knowledge of cadets.

On 12 Nov 12, cadets mustered at the Start Point for ever challenging Josh Run, a march back to the academy with full battle loads. Josh Run commenced in the evening on 13 Nov 12. Cadets advanced to the academy traversing a distance of approximately 55 kilometers in semi-mountainous terrain infested with water bodies. The qualities of esprit-de-corps and team work were well exhibited by cadets under challenging conditions. On termination of Josh Run at long range, cadets were tested in obstacle course and firing thus marking the end of phase two.

Camp Fire was organised at Bombay Stadium on 14 Nov 12 at 1930h. The event was well organized with oversubscribed attendance from all sections of the Academy. The Tipsy could not have been tastier after ten days of fruitful service training for all sixth term cadets. Lima Squadron emerged as the winner. Lt Gen Ashok Singh, AVSM, SM, VSM, Commandant NDA presented Camp Torna plaque and the Chief of Army Staff Trophy to Lima Squadron for their splendid performance. The cadets of 123 course of Lima Squadron have achieved a distinction by winning Greenhorn and Rover Josh runs.

After a thorough exposure to both Attack and Defence operations at the Platoon Level, we are sanguine that 123 Course shall look back at the Camp Torna as a professionally rewarding and enriching camp.
Camp Rover

Ex Approach March (Disina Khoi)

The camp commenced on 2200 hrs on 12th September 2012, when the march approximately 20 km to the main campsite. The camp was set up on an intermediate camp site and was made to

Camp Rover at 12 was conducted by 111 in General Area Nangoloe near Chable Village.

A total of 228 cadets of 125th Course and 75 cadets from the Senior Term participated in the camp. The boys formed into sections and participated in activities and exercises.

The camp strengthened the bonds of camaraderie, cultivated the spirit of initiative and determination. The camp strengthened the bonds of camaraderie, cultivated the spirit of initiative and determination. The camp strengthened the bonds of camaraderie, cultivated the spirit of initiative and determination.

The challenge of Camp Rover has been a matter of pride for every NDA cadet. Camp Rover is a
The exercise was planned for the gradual build up of endurance and to sensitize the cadets to the rigours of the camp. With an aim to facilitate reliance on self and independent learning, sqns were left as one entity under the Sqn DS at an interval of 10 minutes each. This march took almost 7 hrs to complete. All sqns reached the intermediate campsite by 0500hrs on 13th September, 2012.

**Ex-Shivir**

On arrival at campsite, Ex Shivir, i.e. occupation of the campsite commenced. Despite a long night march, the cadets got down to work with full zest. They pitched their bivouacs, dug snake trenches, established fire points and armory as laid down in the camp procedures. A high standard of camp occupation was on display by the breakfast time on 13th September, 2012.

The day remained hectic with lectures demonstrations related to camp activities. A short one hour rest in the afternoon and preparation for Ex Dare Devil commenced which was a graded exercise.

**Ex Dare Devil**

Ex Dare Devil was the first independent point to point night navigation exercise. The distance was approximately 20 Kms. This being an Inter Sqn Competition, accurate navigation had to be complemented with speed at all stages of the Ex. The Ex commenced at 1900hrs on 14th September, 2012. The presence of Camp Commandant at one of the CP was a huge morale booster for the cadets. As night navigation proved to be a challenge for a few sqns the Ex got extended to 0700 hrs on 15th September, 2012. The day was filled with more lectures and the final activity was the individual assessment of map reading skills and Radio Telephony procedures. The assessment validates the capabilities of each cadet and the grades are reflected in the Foundation Course (Military Studies) portion of his academic studies.

**Great Escape**

The night of 15th September 2012 was one of adventure and dare, it was the night of "Great Escape", the simulation of escaping from enemy territory.
The cadets were taken by bus to a point 16 Kms away and thereafter left on their own to reach the campsite without any navigation aids. Camp Commandant's personally briefing each group proved to be very helpful to them in reaching the campsite. Ambushes were laid by DS and any Sn or Cadet caught in an ambush were detained for 15mins as a penalty. The night turned interesting for the Officers as well as cadets. The Ex terminated with the arrival of all Sns on their campsite by 0645hrs on 16th September 12. On arrival, some of the sns gave debriefing on their interesting escapades. Subsequently, the sns were tasked to layout an infantry 'harbour' at a designated place near the Campsite which was done in a very professional manner.

Camp Games

The last day at the camp was of fun and frolic: the camp games. All Sns competed with each other in tug of war and casualty evacuation relay. Past games the cadets were geared up for the most prestigious event of Camp Rovers: Ex Sledge Hammer and the Josh Run.

Ex Sledge Hammer and Josh Run

The Josh Run is the final test of endurance, a 25Kms long point to point march across a strenuous hilly terrain. The Ex commenced at 1900hrs on 16 Sep 12 and finished at NDA at 1200hrs on 17 Sep 12. Once they reached NDA they launched for Ex Hamla that involved crossing a series of manmade obstacles and finally reaching the firing range, where they fired with remarkable accuracy: the ultimate objective.

Camp Fire

The Campfire at Bombay stadium on the evening of 18 Sept 12 was an ideal opportunity for the cadets to relieve the camp moments and share their experiences with the instructional staff. The Dy Comdt commended the performance of the cadets of 125th Course and gave away the prizes to the winners. L'Stn was the overall Rover Champs and were awarded the Camp plaque AT 12.

Conclusion

During Camp Rover AT 12 the involvement, zeal and enthusiasm of all cadets and DS was found to be at its zenith. Cadets participated in all the exercise and activities with high spirits and motivation and displayed a positive competitive attitude. They really developed a strong bond of togetherness amongst each other and carried the same at all times.
Camp Greenhorn

It is said that a cadet is born into the Academy after the Camp Greenhorn. The young greenhorns of the 127th Course, no doubt would have been waiting for that moment. Their transformation from a teenager to a cadet is complete after four days of this keenly contested training activity, conducted by the Joint Training Team. The Camp Greenhorn for the 127th Course was conducted from 07 to 11 September 2012, in the general area Chale, near Mugavade village.

The aim of this camp is to develop and instil qualities of leadership, Espirit-de-corps and camaraderie among the cadets. The thrust areas of the camp were as follows:

- Development of Map Reading skills.
- Communication procedure and handling of RT equipment.
- Camp layout, discipline and hygiene.
- Handling of combat clothing, store and controlled store.
- Physical endurance and stamina building.

A total of 334 cadets attended the Camp including 64 from the senior terms of 126th and 125th. The Camp included various training and endurance activities for the cadets. The various events conducted as competition and as training activities, during the Camp are as follows:

<table>
<thead>
<tr>
<th>DATE</th>
<th>EXERCISE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>07-11 Sept</td>
<td>EX HAMLET TENT PITCHING</td>
<td>COMPETITION</td>
</tr>
<tr>
<td>08 Sept</td>
<td>EX DEKBHAL</td>
<td>DAY NAVIG+ DS SUPERVISION</td>
</tr>
<tr>
<td>09 Sept</td>
<td>EX TEJ CHAL (MINI JOSH)</td>
<td>DAY NAVIG COMPETITION</td>
</tr>
<tr>
<td>09 Sept</td>
<td>EX BLIND FOLD</td>
<td>NI NAVIG WITH DS</td>
</tr>
<tr>
<td>10 Sept</td>
<td>PARIKSHA</td>
<td>MR WRITTEN TEST</td>
</tr>
<tr>
<td>10 Sept</td>
<td>CAMP FIRE</td>
<td>AT CAMP SITE</td>
</tr>
<tr>
<td>11 Sept</td>
<td>CAMP STRIKING</td>
<td></td>
</tr>
<tr>
<td>11 Sept</td>
<td>JOSH RUN</td>
<td>INTERIM CAMP SITE TO NDA</td>
</tr>
<tr>
<td>11 Sept</td>
<td>PRIZE DISTRIBUTION</td>
<td>BOMBAY STADIUM</td>
</tr>
</tbody>
</table>
Ex Tent Pitching

The cadets on reaching the campsite were allocated space for setting up of their tents as a part of the exercise. Equal spaces were allocated to each squadron for symmetry. Their ample enthusiasm was visible in rigging up the tent in the most military manner.

In addition to the pitching of tents, the squadrons were also assessed on the following:

i. General hygiene
ii. Establishment of fire points
iii. Water Points
iv. Standard of snake and drain trenches in their area

Ex Landmark

Ex Landmark was conducted with the Sqn DS accompanying the cadets. The Sqn was left as a single entity and they navigated to all the CPs using man and compass. The Ex aimed at gradually building up the navigation skills among cadets in an unknown territory. The cadets were allowed to make mistakes during the course and D5 were monitoring the same and giving lessons en-route. The Ex commenced at 0630hrs on 08th September 2012 from the campsite and each sqn covered approximately a distance of 7-8kms before reaching the Campsite at 1230hrs. There were no dropouts during the conduct of the Ex.

Ex TejChal (Mini Josh)

The Day Navigation Ex commenced at 0630hrs on 09th September, 2012. The preparation of the Ex started a day prior where all the map readers were brushing up their skills on MR and prepared to give a tough fight to each other. For the conduct of the Ex, all sqns were divided into two groups each competing two different routes. This was initiated so as to give more number of cadets chance to carry out map reading. Basic DS manned the individual check points. Cadets were given Map and Compass for this Ex. The route had 5 CPs (excluding SP and FP) and cadets covered a distance of approximately 12 Kms.

Ex Pariksha

All Sqns, under different DS were taken for this test around the camp site. The questions were taken from a question bank and then the test was conducted by the DS. The map reading skills of the cadets were tested by conducting a test of 30 marks (Map to ground, ground to map and finding own position). At the end of the exercise the weak cadets were taught map reading with special emphasis to their problem areas.

Camp Games

To give a welcome break from the tactical lesson camp games were conducted. Tug of War and obstacle crossing were organized during camp games to instill the qualities of Esprit de Corps and endurance. It was a keenly contested event, wherein ample josh and skills were displayed by cadets.
Ex Josh Run

The ultimate aim of each cadet is to fight and win the Josh Run. For them it is a matter of great pride and their josh was evident by the loud war cry that all sams demonstrated. The exercise Josh Run commenced at 0600hrs on 11 September 2012. The route was approximately 15Kms long with 5 CPs excluding SP and FP. The Josh Run started from interim camp site and finished at the Bombay Stadium on the eve of 11 September 2012. All Sams displayed high standard of josh, stamina and enthusiasm. There was only one drop-out during the entire Ex.

Campfire

The campfire was conducted on 10th September 2012 at the camp site. The cadets actively participated in the show and demonstrated the various skills and hidden talent. The camp fire was witnessed by the Camp Commandant who interacted with the cadets and motivated them. The young Greenhorns had finally transformed the quiet and serene camp area into an electric atmosphere.

New Initiative

Based on the feedback and performance of cadets in the foundation course certain new initiatives were taken during the camp by JTT to ensure sound learning and emphasis on basic MR capabilities. The same are as follows:

a) The duration of the camp was increased by one night and the camp began on the night of 07 September 2012. The cadets were assembled in front of the Cadets' Mess and were taken to camp site in the buses instead of approach march as in the previous camps.

b) During the conduct of Ex Landmark number of Intermediate CPs were selected by the DS and given to cadets for navigation. This ensured that maximum exposure is given to cadets on developing MR skills.

c) During the camp a number of lectures and demonstrations by officers on new topics were organized. The same are as follows:
   i. Field signal, ii. Phases of moon, iii. Night navigation, iv. Preparation of night nav. chart

d) To give an exposure on Ni nav. to the cadets, a night navigation ex accompanied by DS was organized for the cadets.

e) To provide elementary RT skills and practical handling on the radio sets Ex Bolchal was introduced for the cadets. This involved practical handling and usage of the radio set. The Ex was carried out under the supervision of DS.

f) To ensure maximum participation, the policy on participation and marking for Josh and Mini Josh was revised and implemented.

Conclusion

During the Camp, the involvement and enthusiasm of all cadets and DS were found to be at its acme. Cadets participated in all the exercise and activities with high spirits and motivation. There were no major causalities barring few minor cases. The Dy Comdt commended the performance of the cadets of the 127th Course and gave away the prizes to the winners at the prize distribution ceremony at Bombay Stadium. 'J' Sqn was the overall Greenhorn Champs and were awarded the Camp Greenhorn plaque AT 12.
Visits...
Officers of 44th Training of Trainers Course from Sardar Vallabhbhai National Police Academy, Hyderabad.

Delegation from South Africa headed by Lt Gen Themba M Nkabinde, HR head.

PIFA, HQ IDS in a conference with the Deputy Commandant & other senior officers.
Foreign officers attending the 52nd Course of the National Defence College, New Delhi.

Shri MN Kundu, Principal Director IDS (pers), Shri Abhay Singh, Dy Dir IDS (pers), Shri Yogesh Dwivedi, Dy Dir, Air HQ and Smt Namita Malik, Asst Dir, DHTI along with the Principal and participants of the three day training capsule on ‘Civilian Personnel Management’ held at NDA.

Commandant and Deputy Commandant with Lt Gen David H Huntoon, Superintendent, US Military Academy (USMA), West Point.
Commandant receiving General Bikram Singh, PVSM, UYSM, AVSM, SM, VSM, ADC, Chief of the Army Staff.

A seven member delegation from Australian Defence Force Academy (ADFA).

Commandant presenting NDA Memento to Hon'ble Chief Minister of Assam Shri Tarun Gogoi.
Commandant presenting NDA Memento to Shri Shashikant Sharma, Defence Secretary, Ministry of Defence, Govt. of India.

Commandant presenting NDA Memento to Vice Admiral SPS Cheema, AVSM, NM, CISC.

Students from Jammu & Kashmir & Assam on their visit to NDA as part of OP SADBHAVAANA
Transforming Boys into Men
Army Training. Army Training Team is primarily responsible for Army Training of Vth and VIth term Army cadets under Specialist Service Subject (SSS). Cadets are exposed to meticulously planned and carefully executed service training curriculum. They are trained in basic soldierly skills and platoon level tactics, so as to enable them to inspire and lead a platoon in combat. Team endeavours to enable army cadets integrate well with his counterparts at the Indian Military Academy. Cadets were trained in subjects like Tactics, Weapon Training, Map Reading, Radio Telephony and Field Engineering which form the bedrock of their service careers, churning them into future military commanders. Apart from the routine Army Training syllabus, lecture/ Demonstrations on platoon in defence, attack in platoon rod, marking of helipad & casualty evacuation by helicopters are also organized for cadets in assistance with local Army Infantry units.

Camp Torna. Camp Torna, a tri-service camp, is organised towards the end of sixth term for all cadets, as a culmination to their Service training at NDA. All VIth term cadets take part in this ten days outdoor training exercise, organized in general area Torna Fort, approx 65 km from the academy. During this camp, cadets rehearsed the nuances of defence & attack in semi-mountainous terrain. For Autumn Term 2012 the exercise was scheduled from 06 Nov 12 to 13 Nov 12.

Training Visits. Training visits/attachments for cadets of IIIrd, Vth and VIth term are organized by Army Training Team. Embedment training for IIIrd term cadets were organized during the term, in which they visited headquarters and units of infantry divisions at Ahmedabad and Hyderabad. Cadets of VI term familiarised themselves with the role, functioning and equipment of engineers at Bombay Engineering Group (BEG), Kirkee and College of Military Engineering (CME), Pune. All these visits and service attachments provided NDA cadets, an insight into the organisation and functioning of Army units, thus facilitating them to correlate NDA training with their future career as Army Officers.

Shooting Competitions The Shooting Team of National Defence Academy participated in a number of State level and National level competitions during Autumn Term 2012 and brought laurels to the Academy. Their exploits are tabulated below.
<table>
<thead>
<tr>
<th>Ser No</th>
<th>Academy No/ Sqn/course</th>
<th>Name</th>
<th>Competition</th>
<th>Duration</th>
<th>Achievement</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>33275/A/123</td>
<td>Cdt Praveen Mishra</td>
<td>5th Asian Air Gun Shooting Championship, Pune</td>
<td>01 Sep to 11 Sep 12</td>
<td>3rd Rank in .177 Air Rifle</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Gun for Glory Shooting Championship, Pune</td>
<td>12 Sep to 18 Sep 12</td>
<td>Two Gold Medal in Senior (Team) and Junior category (Team)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>01 Bronze Medal in Junior (Individual)</td>
</tr>
<tr>
<td>(b)</td>
<td>33648/K/124</td>
<td>Cdt Anshul Bansal</td>
<td>5th Asian Air Gun Shooting Championship, Pune</td>
<td>01 Sep to 11 Sep 12</td>
<td>13th Rank in .177 Air Pistol</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Gun for Glory Shooting Championship, Pune</td>
<td>12 Sep to 18 Sep 12</td>
<td>One Gold Medal in Jr (Individual) and One Silver Medal in Junior</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Category Civ (Individual)</td>
</tr>
<tr>
<td>(c)</td>
<td>34125/K/126</td>
<td>Cdt R J Rocque</td>
<td>XII GV Mavlankar Shooting Championship, New Delhi</td>
<td>04 Nov to 10 Nov 12</td>
<td>04th Rank in .177 Air Rifle with qualifying score for National</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Championship</td>
</tr>
<tr>
<td>(d)</td>
<td>34305/O/126</td>
<td>Cdt Ankur Kumar</td>
<td>XII GV Mavlankar Shooting Championship, New Delhi</td>
<td>04 Nov to 10 Nov 12</td>
<td>12th Rank in .177 Air Pistol with qualifying score for National</td>
</tr>
<tr>
<td>(e)</td>
<td>34452/Q/126</td>
<td>Cdt Subham Mandal</td>
<td>XII GV Mavlankar Shooting Championship, New Delhi</td>
<td>04 Nov to 10 Nov 12</td>
<td>13th Rank in .177 Air Pistol with qualifying score for National</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Championship</td>
</tr>
</tbody>
</table>

**Improvements in Training Infrastructure.**

(a) **New Firing Range.** A new firing range is being constructed within the National Defence Academy for training of the Cadets. The new improved range will have moving and snap targets, which will help develop better firing skills of cadets. Construction of Stop Butt and Marker’s Gallery is already complete. Construction of Firing Points is also under progress.

(b) **Tactical Training Sheds.** Five tactical training sheds have been constructed for the conduct of the tactical training at squadron level. The training of cadets can now continue even during the rains as well.

(c) **Obstacle Course.** The present obstacle course has been upgraded and improved. Additional obstacles have been constructed to save time of cadets so that a large number of them can undergo the training simultaneously.

(d) **Procurement of Shooting Equipment.** Additional and better equipments for 10 meter shooting have been procured besides enhancing the infrastructure.
NAVAL TRAINING TEAM
Training Future Mariners as Cyber Warriors

A good navy is not a provocation to war. It is the surest guarantee of peace. (Theodore Roosevelt)

Nothing can be farther from truth for all over the world we see that whenever a scenario builds up, it is the naval presence in the region that ensures quick subsiding of any future conflicts. India has a dominating presence in the Indian Ocean and the only country in the world to have an Ocean named after it. The world as a whole expects that India and in turn the Indian Navy to play a significant role in the Indian Ocean region. For the Navy to be effective, one definitely needs dedicated, loyal and most importantly well trained naval officers. The National Defence Academy has over a period of 60 years provided the nation with some of its foremost celebrated naval officers ensuring the coastline is protected with élan.

In today’s technologically enhanced world, emphasis on an all round, academically aware and technologically savvy qualities for a service officer needs no elaboration. The Naval Training Team (NTT) believes in setting benchmarks in order to produce cyber warriors for the armed forces. NTT continuously strives to prepare an NDA cadet for his future career in the Navy through Specialist Service Training. NTT also endeavours to develop creativity, improve presentation skills, inculcate a flair for military topics and naval campaigns.

In pursuance with the aforesaid objectives, NTT lays basic foundation on Navigation, General Seamanship and Communication to V and VI term naval cadets. The team also moulds them to transform as seafarers by providing maritime environment to the extent possible. The training is being imparted in both theoretical instructions in class rooms and practical instructions at NTT and at Watermanship Training Centre (WTC) Peacock Bay. With a view to inculcate professional reading habits amongst naval cadets they are being tasked to submit book reviews on contemporary naval or military studies along with a presentation. In addition to book reviews, a syndicate presentation under the guidance of Naval DS on Military and naval war campaigns are also undertaken by the VI term naval cadets. Service training is accorded the topmost priority at NTT. Towards this end, a number of recent initiatives have been taken to ensure imparting of optimal and quality specialist training.
Certain other value additions such as Computer aided packages, navigational simulator, chart trainer, Navigational instruments/aids and various other working and static models have indeed helped the trainer in imparting seamless training with much lesser practical limitations than experienced in earlier days. This has been instrumental in improving the overall quality of training at NTT.

The Watermanship Training Clubs at Peacock Bay are abuzz with water based activities round the year. The aim of these clubs is to impart a spirit of adventure amongst the cadets and to acquaint them with the basics of water sports.

Literally carved out of the waters of river Mutha, the facility has been put to optimum use by Peacock Bay and remains the jewel in NDA's crown of spectacular beauty. It has nurtured the sailing skills of the cadets which unfurled its sails way back in 1955. The Sailing Club boasts of the largest number of Enterprise boats as compared to any other Sailing Club in Asia. It also holds various national, regional, inter service and club level sailing regattas.

NTT has produced many a yachtsmen of international repute like Cmde Mongia, Capt Motiwala, Lt Cdr Tarapore, Lt Ashim Mongia, Capt PK Garg and Cdr Mahesh to name a few, who have brought laurels to the nation. Incidentally all of them have been bestowed with the Arjuna award as well. This club introduces the art of sailing and basic nuances of navigation amongst the cadets and groom talented cadets to higher levels.
With an endeavour to expose NDA cadets to competitive racing, numerous sailing regattas are conducted by NTT all through the year. The Biannual Sailing Regatta is one such keenly contested sailing regatta between the traditional rivals NDA and Indian Naval Academy (INA). This is a biannual contest staged alternately at NDA and Naval Academy respectively. The idea of conducting the National Yachting Championship (NYEC) at NDA was mooted in the early 1980s. Altogether, these national championships have contributed enormously towards enhancing the popularity of this sport and generating an increasing interest amongst the cadets. The academy sailing team has participated in Laser Nationals at Secunderabad.

The infrastructure, specialised training and the picturesque settings of Peacock Bay at the NDA are ideal for sailing. Apart from yachting, rowing, kayaking, windsurfing and water skiing are actively pursued as part of club activities. Recently, two new clubs angling and scuba diving have also been introduced. With the water para-sailing club on the anvil, the cadets will definitely be spoilt for choice.

To validate practical aspects of the theoretical instructions imparted at NTT, the naval cadets are attached to the fleet ships of the Western Naval Command. During the course of the exercise which extends to six days, they are exposed to the ship's environment, routine and equipment. It also provides the cadets on job experience in practical seamanship evolutions, navigation and introduction to naval customs and ceremonials. The cadets are also familiarised with the ship's layout, organisation and routine at harbour. An overall well rounded personality is the need of the hour in the armed forces. Keeping pace with the rapidly changing technology is a challenge that needs to be taken head on to achieve success in the battlefield of tomorrow. Naval Training Team at the NDA continues in its endeavour to provide the best finished product for the Navy who is pride of this premier tri-service training establishment.
Finally, as it is time to bid adieu to the Autumn Term - 12, how can one forget to highlight the various feats achieved by the cadets at the plethora of extracurricular activities including academics. The winners of various competitions held during the term are as enumerated below:-

Open and Battalion Events Conducted During AT - 12

(a) **Water Skiing Competition - 26 Sep 12**

The following cadets were adjudged to have achieved certain degree of proficiency in Waterskiing:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Crew</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>34033/A/125 Cdt Rohit Kapoor</td>
<td>Third</td>
</tr>
<tr>
<td>(b)</td>
<td>34438/E/126 Cdt P Singh</td>
<td>Second</td>
</tr>
<tr>
<td>(c)</td>
<td>33517/E/124 Cdt R Mohan</td>
<td>First</td>
</tr>
</tbody>
</table>

(b) **Wind Surfing Competition - 26 Sep 12**

The following cadets were adjudged to have achieved certain degree of proficiency in Windsurfing:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Crew</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>34186/L/126 Cdt AC Sekhar</td>
<td>Second</td>
</tr>
<tr>
<td>(b)</td>
<td>33255/L/123 Cdt AK Singh</td>
<td>First</td>
</tr>
</tbody>
</table>
Scuba Diving

The following cadets were adjudged to have achieved certain degree of proficiency in Scuba Diving:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Crew</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>33495/L/124 Cdt R Yadav</td>
<td>Third</td>
</tr>
<tr>
<td>(b)</td>
<td>33670/K/124 Cdt MS Surya</td>
<td>Second</td>
</tr>
<tr>
<td>(c)</td>
<td>33198/C/124 Cdt N Batra</td>
<td>First</td>
</tr>
</tbody>
</table>

(d) Results of NDA Open Sailing Race. A total of eight races were conducted as part of the NDA Open sailing race competition during this term. The medal winners are:

Enterprise Class

<table>
<thead>
<tr>
<th>S. No</th>
<th>Helm</th>
<th>Crew</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>33203/J/123 Cdt NY Shipekar</td>
<td>33327/L/123 Cdt G Panwar</td>
<td>Third</td>
</tr>
<tr>
<td>(b)</td>
<td>33630/N/124 Cdt R Yadav</td>
<td>33591/N/124 Cdt Mohit Lal</td>
<td>Second</td>
</tr>
<tr>
<td>(c)</td>
<td>33801/B/125 Cdt A Kanwar</td>
<td>33819/C/125 Cdt A Goyal</td>
<td>First</td>
</tr>
</tbody>
</table>

Laser Class

<table>
<thead>
<tr>
<th>S. No</th>
<th>Crew</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>33630/N/124 Cdt R Yadav</td>
<td>Third</td>
</tr>
<tr>
<td>(b)</td>
<td>33591/P/124 Cdt Mohit Lal</td>
<td>Second</td>
</tr>
<tr>
<td>(c)</td>
<td>33068/B/123 Cdt K Pednekar</td>
<td>First</td>
</tr>
</tbody>
</table>

Best Helmsman (Enterprise) for AT-12

33068/B/123 Cdt Kaushal Pednekar No. 1 Bn
# RESULTS OF INTER BATTALION ENTERPRISE SAILING COMPETITION

**AUTUMN TERM – 12**

## Third Position No 3 Bn

<table>
<thead>
<tr>
<th>Ser</th>
<th>Helm</th>
<th>Crew</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>33489/I/125 Cdt Bharat Chavli</td>
<td>33479/J/125 Cdt A Dhami</td>
</tr>
<tr>
<td>(b)</td>
<td>33203/J/123 BCA NY Shipekar</td>
<td>33706/K/124 Sgt GS Punia</td>
</tr>
<tr>
<td>(C)</td>
<td>33606/I/124 Cdt A Daima</td>
<td>33753/I/124 Cdt K Kshitiz</td>
</tr>
<tr>
<td>(d)</td>
<td>33327/L/123 Cdt G Panwar</td>
<td>33453/L/123 Cdt A Amitabh</td>
</tr>
</tbody>
</table>

## Runners up No 1 Bn

<table>
<thead>
<tr>
<th>Ser</th>
<th>Helm</th>
<th>Crew</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>33068/B/123 Cdt K Pednekar</td>
<td>33769/D/124 Cdt Rishabh Negi</td>
</tr>
<tr>
<td>(b)</td>
<td>33801/B/125 Cdt A Kanwar</td>
<td>33819/C/125 Cdt Anant Goyal</td>
</tr>
<tr>
<td>(C)</td>
<td>33506/D/124 Cdt V Choudhary</td>
<td>33685/D/124 Cdt M Gargate</td>
</tr>
<tr>
<td>(d)</td>
<td>33297/D/123 Cdt S Bhatia</td>
<td>34789/B/127 Cdt Ranjeet Kumar</td>
</tr>
</tbody>
</table>

---

*The winners of the Inter Bn Enterprise Sailing Competition AT-12 is No 4 Bn*

<table>
<thead>
<tr>
<th>Ser</th>
<th>Helm</th>
<th>Crew</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>33533/P/124 Cdt S Swain</td>
<td>33731/M/124 Cdt S Grewal</td>
</tr>
<tr>
<td>(b)</td>
<td>33630/N/124 Cdt R Yadav</td>
<td>33591/P/124 Cdt M Lal</td>
</tr>
<tr>
<td>(C)</td>
<td>33524/P/124 Cdt A Dahiya</td>
<td>33755/P/124 Sgt V Grewal</td>
</tr>
<tr>
<td>(d)</td>
<td>33399/N/123 Cdt J Alex</td>
<td>33231/N/123 Cqms Anand R</td>
</tr>
</tbody>
</table>
## List of Prize Winners

123 Course – VI Term Naval CDTS: AT 12

### Trophies

<table>
<thead>
<tr>
<th>Ser</th>
<th>Name of Trophy</th>
<th>Prize Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>Cup presented by Govt. of Madras for standing First in Specialist Service Subject (Navy)</td>
<td>Cdt Abhijeet Dilip Patil 33247/L/123</td>
</tr>
<tr>
<td>(b)</td>
<td>Cup presented by Admiral Sir Mark Pizey for standing Second in Specialist Service Subject (Navy)</td>
<td>Cdt Rishabh Datta 33402/L/123</td>
</tr>
<tr>
<td>(c)</td>
<td>CNS Trophy presented by Admiral OS Dawson, PVSM, AVSM (Retd) for standing First in Astro Navigation</td>
<td>Cdt Sarthak Bhatia 33297/L/123</td>
</tr>
<tr>
<td>(d)</td>
<td>Trophy presented by Vice Admiral Madhvendra Singh PVSM, AVSM, ADC, Flag Officer Commanding -in-Chief Western Naval Command for standing First in Seamanship</td>
<td>Cdt Ashish Bisht 33304/L/123</td>
</tr>
<tr>
<td>(e)</td>
<td>Cup presented by Admiral RD Katari for Best Helmsman in Yachting and Power Boat Handling</td>
<td>Cdt Kaushal Pednekar 33068/L/123</td>
</tr>
</tbody>
</table>
### Book Prizes

<table>
<thead>
<tr>
<th>Ser</th>
<th>Name of Book Award</th>
<th>Prize Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>First in Specialist Service Subjects (Navy)</td>
<td>Cdt Abhijeet Dilip Patil 33247/L/123</td>
</tr>
<tr>
<td>(b)</td>
<td>Second in Specialist Service Subjects (Navy)</td>
<td>Cdt Rishabh Datta 33402/I/123</td>
</tr>
<tr>
<td>(c)</td>
<td>First in Astro Navigation</td>
<td>Cdt Sarthak Bhatia 33297/L/123</td>
</tr>
</tbody>
</table>

### Motivation Awards Specialist Service Subjects (Navy) - Anchor Pin

<table>
<thead>
<tr>
<th>Ser</th>
<th>Name of Cdt</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>Cdt Abhijeet Dilip Patil 33247/L/123</td>
</tr>
<tr>
<td>(b)</td>
<td>Cdt Rishabh Datta 33402/I/123</td>
</tr>
</tbody>
</table>
AIR FORCE TRAINING TEAM

The Air Force Cadets undergoing training in the Air Force Training Team at the National Defence Academy, get a glimpse of their future in the IAF. It is here, at this Team that an Air Force cadet realises his dream of flying and gets the first air experience of his life. The Super Dimona motorized glider which is used for flying training by this team is one of the most modern and safest aircraft in its class. The Team is mandated to provide 'service-specific' training to Air Force cadets at this Academy. The objectives of training includes laying a firm foundation of airmanship, firm knowledge base before flying, inculcation of correct flying orientation, adoption of Air Force ethos and developing an enduring interest in all aviation related activities.

A total of 60 Air Force cadets of the 'graduating' course were trained by this Team in Autumn Term 12. Flying syllabus for each cadet is 10 sorties/ 7:30 hours towards their Flying training; the Team flew 623 sorties/458:40 hrs. During the term, sustained efforts by Team members ensured timely completion of this task with qualitative training in spite of constraints of limited number of availability & serviceability of aircraft. Five more Super Dimonas are expected to be inducted by Jan 2013.

While imparting flying training, due care was taken to groom the cadets for the next advanced stage of training at the Air Force Academy (AFA) Hyderabad. Exposure to powered flying at this Academy has laid a sound foundation for these cadets and goes a long way in helping them earn their 'WINGS' at Air Force Academy. To show a glimpse of flying training given to the cadets and as a tradition, the Air Force Training Team is privileged to fly a three aircraft 'Arrow Head' formation during the 'Passing-out Parade' as a salute to the cadets of 'Passing-out Course' a flypast by cadets on Super Dimona aircraft in assistance with their instructors and during Tattoo Show by the best air force cadets in flying is being carried out.

It goes without saying that a sound theoretical knowledge is a precursor to proficient and safe flights in future. Prior to commencement of flying training, the cadets of 123 course were taught theoretical and practical aspects of Super Dimona aircraft. The cadets got an insight into the aircraft systems which enable a pilot to fly proficiently and to handle emergent situations, if they do occur. The ground training syllabi comprise 416 classes (in V & VI term) encompassing a range of subjects such as Mechanics of Flight: AF- 51(Aerodynamics), Aviation Supplements - I: AF-52 (includes Instruments, Navigation, Meteorology and Aviation Medicine) for V term Cadets and Aviation Supplements-II: AF-61 (Aerodynamics & Airmanship), Aircraft Systems-I: AF-62 (Weapon & Air armament, Aero Engine, Instruments, Navigation & Meteorology) & Aircraft Systems -II: AF-63 (Avionics & Airframes) for VI term AF Cadets. The ground training at AFTT is imparted using modern computer based teaching & training aids cross sectional models of aero-engines and instruments. Skeet shooting was conducted at this Team with the aim of exposing the cadets to the basics of deflection shooting which they will be requiring to track & destroy a moving target from aircraft. This helps the budding pilots in mastering the skills of air-to-air firing later on in their flying career.
The cadets passing-out of this Academy are the Military Leaders of tomorrow. The studies of Air Campaigns and the lives of famous Military Leaders help these fledgling aviators to develop an understanding of modern warfare. With this intention, Book Reviews in VIth term and subsequently presentations of the same Book review in their VIIth term were undertaken to inculcate reading in depth to improve vocabulary & pronunciation of language.

In order to expose the cadets to the functioning of a modern operational airbase, the VIth term Air Force cadets visited 11 BRD, AF (Nasik) HAL Assembly Line, Jeet Simulators and 02 Wg, AF (Lahegaon). This gave them an insight into the functioning of the defense establishments, combat and support units of the IAF. The team also organised a service attachment for III term Air Force cadets to 33 Wg, AF (Air Force station Jamnagar) to expose them to the working of operational units and stations.

To promote interests in the field of aviation, cadets (from all three Services) are encouraged to join aero-sports clubs conducted at this team. These include Aero-modeling, Skeet Shooting, and Parasailing.

Over the years, the training facilities at this team have been upgraded. The Aerodrome has an airstrip suitable for operations of light fixed wing aircraft and medium lift helicopters. Present runway at AFTT is planned to be extended to 5000 ft and widened to 100 ft for safe take-offs & landings of Super Dimona aircraft. The Air Traffic Control Complex regulates air traffic in and around this Academy. A PC-based flight simulator is also utilised for flying training. The team has a well stocked library which is subscribed to by cadets as well as staff.

Going by the motto of the Academy 'Service Before Self', the Air Force Training Team endeavors to maintain the highest quality of training to AF cadets to meet the challenges and standards of the Indian Air Force, where they would be able to 'Touch the Sky with Glory'.
Raised on 06 Oct 1949, the Equestrian Training Team was inaugurated by the then PM of India, Pandit Jawaharlal Nehru. For the last 63 years ETT has been committed to train the II to IV term cadets in the basics of Equitation and Animal Management skills. This team is also responsible to train Academy Riding and Polo Team & the remount horses received from Remount Depots every year. The equitation training is carried out in various disciplines with training of the cadets, horses and instructors at NDA. This also includes the vital role of participation of the NDA team in various Equestrian & Polo tournaments at National & International level. The ETT forms an integral facet of the Passing Out Parades, End of Term activities and other training events in the Academy.

The Autumn Term started on 30 Jun 12 with a fresh batch of cadets in NDA. As usual, the Equitation Training Team had the 2nd term cadets coming for equitation training for the first time. Our work was clearly set out as per the following parameters:-

(a) Equitation Training to cadets
(b) Infrastructure development at ETT
(c) Academy team participation
(d) Equitation training to remount horses
(e) Specialized training for Show Jumping, Eventing and Polo to the Academy team and selected members of the club.

Cadets from the 125, 126 & 127 course were trained in equitation and they successfully achieved the requisite standards in equitation and animal management. A total of 1055 cadets were trained during the current term.

The Cycle Polo club was instituted wef AT -12. A total of 36 cadets are at present part of the Cycle Polo Club.

Club activities were conducted on 04 Jul, 11 Jul, 18 Jul, 25 Jul, 01 Aug, 08 Aug, 22 Aug, 05 Sep, 12 Sep, 26 Sep, 03 Oct, 10 Oct & 17 Oct 12.

Practise sessions and exposure to the rules and regulations were given to the member of the cycle polo club.

Our focus was on improving the equitation standards of the Academy:-

(a) Extra training was conducted for the II<sup>th</sup>, III<sup>rd</sup> and IV<sup>th</sup> terms in the afternoons and during end of the term the same was conducted for weak cadets. Our efforts have paid off and the riding skills of the cadets have been improved tremendously.

(b) Riding to the hounds activity were conducted on 08 Jul, 29 Jul, 09 Sep, 30 Sep and 28 Oct 2012. These were very popular with both cadets and posted staff as it gave them a chance to test their riding skills in real-time environment.
(c) Hack Ride and Three Twenty Triathlon Event AT-2012 competition was held on 30 Sep 2012.

(d) We at ETT believe in exposing out cadets to National and International level of Polo/Show jumping to give them valuable experience. Participating and playing at such levels boosts the confidence, while giving them experience and thrill of playing before live audience.

Participation Of NDA Equestrian Team In National Equestrian Championship, Army Equestrian Championship, And Meerut Horse Show From 01 To 10 Nov 2012 (Details on Page 33-34)
The NDA equestrian team comprising 01 Offr, 01 JCO, 01 OR and 08 cadets participated in the Army Equestrian Championship & National Equestrian Championship held at Meerut and won following medals:-

**RESULTS OF ARMY EQUESTRIAN CHAMPIONSHIP AND NATIONAL EQUESTRIAN CHAMPIONSHIP EVENING AT MEERUT**

<table>
<thead>
<tr>
<th>Name</th>
<th>Event</th>
<th>Posn</th>
</tr>
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<tbody>
<tr>
<td>34548/C/127 Cdt P Deshmukh</td>
<td>Cadet Dressage (AEC) Cadet Dressage (MHS) Preliminary Jumping Accumulator (AEC) Preliminary Jumping Accumulator (MHS)</td>
<td>Silver Medal Silver Medal Bronze Medal Bronze Medal</td>
</tr>
<tr>
<td>34170/H/126 Cdt D Sheron</td>
<td>Preliminary Jumping Accumulator (AEC) Preliminary Jumping Accumulator (MHS) Open Hacks (MHS)</td>
<td>Silver Medal Silver Medal Bronze Medal Bronze Medal</td>
</tr>
<tr>
<td>35264/B/128 Cdt S Chauhan</td>
<td>Cadet Hacks (MHS) Cadet Hacks (AEC)</td>
<td>Silver Medal Bronze Medal</td>
</tr>
<tr>
<td>Maj Bharat Singh</td>
<td>Preliminary Show Jumping Normal (MHS) Preliminary Show Jumping Normal (AEC) Novice One Day Team (AEC) Novice One Day Team (MHS)</td>
<td>Gold Medal Silver Medal 4th 4th</td>
</tr>
<tr>
<td>Ris Sajan Singh Novice</td>
<td>One Day Team (AEC) Novice One Day Team (MHS) Novice Dressage Team (AEC) Novice Dressage Team (MHS) Novice Dressage (MHS) Novice Jumping (MHS)</td>
<td>Gold Medal Gold Medal Silver Medal Silver Medal 4th 4th</td>
</tr>
</tbody>
</table>
Physical Training Team
Sound Mind in a Sound Body

The training curriculum of PTT includes a combination of physical training, building of physical and mental endurance, balanced with some flexibility that permits cadets to pursue their interest and aptitude in sports. The curriculum is designed to develop qualities of character and physical competence needed by officers, who at various stages of their career must be prepared to lead the smallest combat unit or advise the highest decision making authority. The program provides a sound foundation for both physical fitness and professional development. The various events conducted during AT-12 are as under:

(a) **Sports Competitions:**

(i) **Inter Sqn Competitions**

- **Cross Country:** All Medically fit Cdts (I to VI Terms)
- **Boxing:** 8 Wt categories (01 + 01)
- **Football:** 4 Strings (11 + 3 Players each)
- **Basketball:** 5 String (05 + 3 Players each)
- **Swimming & Diving:** 8 Ind event, 02 Relay, Spring board diving
  1 mtr., 3 mtr and 5 mtr.

(ii) **Inter Bn Competitions**

- **Squash:** 3 String (3 + 1)
- **Cricket:** 1 String (11 + 2)
- **Water Polo:** 1 String (7 + 2)

(iii) **Festival match**

- **Basket Ball:** 14 Cdts of the Passing Out Course & Offrs

(iii) **Performance evaluation/Analysis of Results:**

- **Cross Country**

  Inter Sqn Cross Country Competition, Autumn Term 2012 was held on 14 Oct 12. The run started from AFTT (ATC tower end) and finished at AFTT. The defending champions 'B' Sqn won the Gliders Trophy presented by C-in-C Air Force in the year 1954 with an average of 11.72357724 points. The first three positions are as under:

  (i) 33978/B/125 Cdt Manoj Kumar - 41:50 mins
  (ii) 33242/C/123 BCAA Joshi     - 42:05 mins
  (iii) 33596/C/124 Cdt Anurag Kumar - 42:17 mins

<table>
<thead>
<tr>
<th>Event</th>
<th>Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Country</td>
<td>'B' Sqn</td>
</tr>
<tr>
<td>Boxing</td>
<td>'H' Sqn</td>
</tr>
<tr>
<td>Football</td>
<td>'H' Sqn</td>
</tr>
<tr>
<td>Basketball</td>
<td>'B' Sqn</td>
</tr>
<tr>
<td>Swimming &amp; Diving</td>
<td>'C' Sqn</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Event</th>
<th>Winner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Squash</td>
<td>No. 2 Bn</td>
</tr>
<tr>
<td>Cricket</td>
<td>No. 2 Bn</td>
</tr>
<tr>
<td>Water Polo</td>
<td>No. 4 Bn</td>
</tr>
</tbody>
</table>
• **Swimming and Diving.** Inter Sqn Swimming and Diving competition were conducted from 20 Jul 12 to 30 Jul 12. 33632/O/124 Cdt V Dahiya made a new academy record in 50mtr Butterfly by completing the distance in 30.12 Sec on 30 July 12. Previously the record was held by Cdt A Uduppa with the timing of 31.16 Sec. The competition was won by 'C' Sqn. 33632/O/124 Cdt V Dahiya was adjudged Best Swimmer of the Competition.

• **Inter Sqn Football Competition.** Inter Sqn Football Competition was conducted from 31 Jul 12 to 17 Aug 12. Competition was conducted on four string basis. 'H'Sqn became the champion of the competition.

• **Inter Sqn Basketball Competition.** Inter Sqn Basketball competition was conducted from 25 Sep 12 to 12 Oct 12. Competition was conducted on five string basis. The Champion of Inter Sqn Basketball competition was 'B' Sqn.

• **Inter Sqn Boxing competition.** Boxing competition for the Autumn Term 2012 was conducted from 15 Oct 12 to 23 Oct 12. 'H' Sqn was the overall winner of the competition. 33643/H/124 Cdt S Mishra was adjudged as the Most Promising Boxer of the competition, 34440/H/126 Cdt A Karim was declared as the Most Scientific/Technical Boxer and 33244/I/123 BCC KK Patil was declared the Best Looser of the competition.

• **Water Polo** Inter Bn Water Polo Competition, Autumn Term 2012 was conducted from 24 to 30 Jul 12. Cadets from various squadrons representing their battalions participated in it. The overall team positions are I" Bn, II" 1 Bn, III" 2 Bn, IV" 3 Bn & V" 5 Bn.
**Cricket**

Inter Bn Cricket Competition, Autumn Term 2012 was conducted from 17 Oct 12 to 27 Oct 12. 34462/G/126 Cdt Daniel was adjudged Best Batsman of the tournament. The award of Best bowler was given to 33330/G/123 Cdt A Shekhar and Man of the Match for Inter Bn Cricket Final was 34462/G/126 Cdt Daniel. The overall team positions are I" 2 Bn, II" 4 Bn, III" 1 Bn, IV" 5 Bn & V" 3 Bn.

**Squash**

Inter Bn Squash Competition, Autumn Term 2012 was held from 21 Aug 12 to 25 Aug 12. 34386/H/126 Cdt Surya Prakash beat 33407/D/123 Cdt A Siwach in the finals and he was awarded Gold medal for his far-fetched performance in the competition. 34159/B/126 Cdt Naveen Janu beat 34407/M/123 Cdt S Mahajan in the 2" string and 34370/F/126 Cdt A Baruah beat 34428/C/126 Cdt U Singhal in the 3" string. The overall team positions are I" 2 Bn, II" 1 Bn, III" 3 Bn, IV" 4 Bn & V" 5 Bn.

**Novices Boxing**:  
Black & White demo for Novices Boxing of 127 course was held on 25 Oct 12. Novices Boxing, Autumn Term 2012 was conducted from 31 Oct 12. Total 338 cadets of 127 course and left over cadets of Spring Term 12 appeared for the bouts.

**Bakhshi Cup**:  
NDA Academy teams was the runner up in Bakhshi Cup contested between National Defence Academy and Indian Military Academy.

(i) Cross Country - Winner IMA  
(ii) Volleyball - Winner IMA  
(iii) Football - Winner IMA

**Festival Basketball Match**:  
A Festival Basketball match was played between the Offers of NDA and the Cadts of Passing out course (123 Course) on 29 Oct 12. The match was won by Cadts. The final score was 12 -48.

**Matches with Clubs/Teams**:  
Matches were organized for Academy Teams to give exposure to the Cadets with the following teams:

(i) Army Institute of Physical Training  
(ii) CME  
(iii) Sports Hostel Bolewadi  
(iv) Pune Club Squash Complex
The Joint Training Team is exclusively responsible for training cadets on all aspects of jointmanship, leadership, personality development, ethics and values of service (Military Studies). By giving adequate exposure in the elementary aspects of war and allied subjects, JTT is tasked with the objective of introducing the cadet to the functioning of each service and jointness among the three services to enable them to shoulder the responsibilities in a joint warfare environment. During AT 12, JTT conducted the following training:

(a) Military Studies. The I" to VI" term Cadets were taught Military Studies (MS) portion of the Foundation Course (FC) comprising 251 periods (excluding 63 periods of camps). The subjects taught were role and org of Indian Armed Forces, Map Reading (MR), Service Writing, Weapon Trg, INSAS Firing, Military Law, International Humanitarian Law (IHL), Leadership and Personality Development topics, basic operations of each service and leadership traits.

(b) Orientation Capsule. The Orientation Capsule for 128 Course was conducted from 30 Jun 12 to 14 Jul 12. During the capsule, the cadets were:
(i) Made familiar with the locations of various offices and institutes/facilities in NDA campus.
(ii) Introduced to three services and various policy matters governing their training at this Academy.

(c) The cadets were also given practical demonstration of first aid and were familiarized with various clubs like Watermanship (Sailing, Kayaking, Rowing, Water Skiing, Wind Surfing) and Aero Sports Club (Aero-modeling, Flying, Paragliding, Parasailing, Skeet Shooting).
(i) ODT activities were scientifically planned from low physical exercises like walk, aerobics and slowly graduating to upper body exercises, swimming, running, drill etc. Physical training was conducted in a gradual and planned manner during the capsule.
(ii) The cadets were shown various motivational movies and taken for a hike to Singarh Fort.
(iii) Discussion on relevance of IF and NDA prayer.

(d) Military Grooming Capsule. Military Grooming Capsule was conducted for the cadets of the passing out 123rd Course (VI Term), with an aim to broaden the horizon of the trainees and to help them make a smoother transition from a cadet to an officer. Excellent feedback on the conduct of the capsule was received and the cadets found it engrossing and beneficial. The following lectures, workshops and performance were conducted successfully during the term:


(ii) Out sourced Lectures, Workshops and performances (I) Fine Dining Experience. Lecture on Fine Dining Experience was conducted by Taj Vivanta, Blue Diamond, Pune on 16 Jul 12, (ii) Anger Management. A Lecture on Anger was conducted on 18 Aug 12 by Psychologist for VI Term Cadets as part of Military Grooming Capsule, (iii) Norms of Civil Dressing & Personal Grooming. Lecture on Norms of Civil Dressing & Personal Grooming was conducted by Mrs Sushila Bahl on 11 Jul 12, (iv) Introduction to Indian Classical Music. Lecture on Introduction to Indian Classical Music was conducted by the eminent vocalist Dr. Mohan Darekar on 22 Aug 12.
(e) **Chief's of Staff (COS) Trophy for Quiz.** The COS Trophy Quiz test was conducted on 20 Nov 12 by JTT for eligible cadets of 123 Course. The question paper for 200 Marks was prepared to test the depth of military and general knowledge possessed by the aspirant cadets. As part of the various training activities listed above, JTT conducted the following training visits/hikes/activities during AT 12:

(a) **Sinhgad Hike.** On 29 Jul 12 as part of Orientation capsule for I term Cadets, approximately 414 cadets, officers and few volunteer families of the Academy trekked up to Sinhgad top.

(b) **MR Day Navigation Ex.** A day navigation exercise was conducted for the cadets of 127 Course on 09 & 17 Aug 12 in general area of NDA. The aim was to acquaint the cadets in pt-to-pt day Navigation.

(c) **Ni Navigation Ex.** A night navigation exercise was conducted to test night navigation skills of cadets of 125 courses on 04 & 11 Aug 12 in general area of NDA. The aim was to test the cadets in Point-to-Point Night Navigation.

(d) **Camp Greenhorn.** Camp Greenhorn was conducted by Joint Training Team for 127 Course from 07 Sep to 10 Sep 12. A total of 334 Cdts attended the camp. The focus of the camp was to develop MR Skills, Com procedure and handling RT eqpt and understanding camp routine and discipline.

(e) **Camp Rover.** Camp Rovers was conducted by Joint Training Team for 125 Course from 12 Mar to 17 Sep 12. A total of 288 cadets attended the camp.

**Training Initiatives.** The following initiative was introduced during this term towards improving the training: 
(a) Conduct of Camps : Greenhorn and Rovers.
(b) Updated Presentations : Lesson Plans and Reference materials have been uploaded on e-learning module on CAN.

**Training Infrastructure.** The following infrastructure improvements were made during AT 12:
(a) Motivational Board for central hall, (b) Information Board, (c) White sun-mica board Display Aluminium frame, (d) Digital wall clocks for class rooms.

The Joint Training Team had conducted all the training activities as per schedule during the AT 12. Based on regular feedback received from time to time changes have been incorporated in the syllabus. Adequate audio-visual aids were used for imparting training.
The Academic Branch has always endeavoured to further the course of education, an important element in the career of an officer of the Indian Armed Forces. The regular classroom teaching by faculty members of the Academic Branch culminates in the end of term Semester Examinations, after which the results are prepared, compiled and declared. The degree from Jawaharlal Nehru University (JNU) is conferred on the cadets of the passing out course. The Academic Branch is also involved in the extra-curricular activities such as: the conduct of the Quiz Competition, English and Hindi Debates and other Club activities.

Principal Prof. (Dr) OP Shukla in office

NDA was established with a view to train our future military leaders. The academic curriculum was, therefore, carefully drawn by eminent educationists to impart a broad-based education. With the passage of time, the NDA curriculum has also undergone changes. The present academic curriculum has been recently updated as per ISSG & ASG recommendations to keep pace with the modernization and changing needs of Services. E-Learning Package: The NDA is at the forefront in trying to keep pace with the changing technology in the information era. The state-of-art Data Centre with latest powerful server supports our Campus Area Network. The Thin Clients which have already been issued to the cadets help them in accessing the e-learning packages and e-books.

Welcome:
We extend a very hearty welcome to Shri Anuj Saxena who joined the Academy as Assistant Professor in Mathematics Department. We wish him a happy and joyful tenure, while expecting dedicated involvement from him, in all spheres of activity in the Academy

We also extend a hearty welcome to Dr Suresh Sudge, who has been promoted as Library and Information Officer.

Adieu:
The Academy bids farewell to Dr Akhilesh Pandey, Associate Professor of Physics, who superannuated on 30th November, 2012 after a meaningful career spanning more than three decades. The NDA fraternity wishes him a healthy and meaningful post-retirement life.
ACADEMIC OUTREACH

Prof. OP Shukla, Principal
Invited to attend meeting of Indian Political Science Association at the Department of Public Administration, University of Lucknow on 09 June 2012 to 10 June 2012.

Dr BK Barnwal, Assistant Professor in Political Science
Availed Second Spell of Associate-ship at Indian Institute of Advanced Study, Shimla (01 - 30 Sep 2012).

Shri Rajendra Prasad MB, Assistant Professor in Physics
Refresher Course in Physics at Pune University (08 - 28 Oct 2012).

Dr Narayan Chopra, Assistant Professor in Geography
Refresher Course in Information Technology at Academic Staff College (Near Boys Hostel No. 7), Panjab University, Chandigarh – 160 014 from 15 June 2012 to 05 July 2012.

Dr Mohammad Ahmad, Assistant Professor in Mathematics
a) Refresher Course in Information Technology at Academic Staff College (Near Boys Hostel No. 7), Panjab University, Chandigarh – 160 014 from 15 June 2012 to 05 July 2012.

b) Refresher Course in Mathematics at Academic Staff College : HP University, Summer Hill, Shimla – 171 005 (Himachal Pradesh) from 16 July 2012 to 04 Aug 2012.

Shri GN Sarage, Assistant Professor in Computer Science
Refresher Course in Information Technology at Academic Staff College (Near Boys Hostel No. 7), Panjab University, Chandigarh – 160 014 from 15 June 2012 to 05 July 2012.

Dr Pankaj Sharma, Assistant Professor in History
Refresher Course in Information Technology at Academic Staff College (Near Boys Hostel No. 7), Panjab University, Chandigarh – 160 014 from 15 June 2012 to 05 July 2012.

Shri SK Mago, Associate Professor in Political Science
Refresher Course in Information Technology at Academic Staff College (Near Boys Hostel No. 7), Panjab University, Chandigarh – 160 014 from 15 June 2012 to 05 July 2012.

Dr Ashwani Kumar, Assistant Professor in Physics
Orientation Course at UGC – ASC, The University of Burdwan, Burdwan from 4 to 30 August 2012.
<table>
<thead>
<tr>
<th>Name</th>
<th>Event/Activity</th>
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<tbody>
<tr>
<td>Mrs. Ravinder Kaur, Asst. Prof. in Computer Sc</td>
<td>Refresher Course in Information Technology at Academic Staff College (Near Boys Hostel No. 7), Panjab University, Chandigarh – 160 014 from 15 June 2012 to 05 July 2012.</td>
</tr>
<tr>
<td>Dr BK Mehta, Assistant Professor in Chemistry</td>
<td>Workshop at CME, Pune on NBC Warfare from 22 to 26 Sep 2012.</td>
</tr>
<tr>
<td>Shri AS Ghayal, Assistant Professor in Chemistry (Adhoc)</td>
<td>Workshop at CME, Pune on NBC Warfare from 22 to 26 Sep 2012.</td>
</tr>
<tr>
<td>Dr AK Upadhyay, Assistant Professor in French in Foreign Languages</td>
<td>Orientation Course at UGC – ASC, Guru Ghasidas Vishwavidyalaya, Bilaspur, CG from 28 Aug to 25 Sep 2012.</td>
</tr>
<tr>
<td>Dr Surya Kant Nath, Associate Professor in History</td>
<td>Availed First Spell of Associateship at Indian Institute of Advanced Study, Shimla (01 - 30 Sep 2012).</td>
</tr>
<tr>
<td>Dr Sagar Jamborkar, Assistant Professor in Computer Sc.</td>
<td>Participated in the Faculty Development Programme held at MCTE, Mhow from 2nd July'12 to 7th July'12</td>
</tr>
<tr>
<td>Shri Rajesh Doss, Assistant Professor in Computer Sc.</td>
<td>Participated in the Faculty Development Programme held at MCTE, Mhow from 2nd July'12 to 7th July'12</td>
</tr>
<tr>
<td>Shri NR Jagtap, Asst. Professor in Computer Sc</td>
<td>Participated in the Faculty Development Programme held at MCTE, Mhow from 2nd July'12 to 7th July'12</td>
</tr>
<tr>
<td>Wg Cdr P Manoharan, Jt Dir (Edn)</td>
<td>Presented a paper on “Technology: A Catalyst for Teaching – Learning in the Class Room during the seminar on National Seminar on Technology Enabled Training at INA, Ezhimala from 12 to 13 Oct 2012.</td>
</tr>
</tbody>
</table>

**DOCTORAL DEGREE SUPERVISED/ BOOKS/ RESEARCH PAPERS PUBLISHED/ AWARD RECEIVED**

<table>
<thead>
<tr>
<th>Name</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Dr Harihar Panda, Professor &amp; HOD History</td>
<td>Guided a scholar for his PhD in History from Fakir Mohan University, Orissa.</td>
</tr>
</tbody>
</table>
| Dr Neeraj Pant, Associate Professor in Mathematics and Shri Shahab Faruqi, Assistant Professor in Mathematics | a) Relativistic modelling of a superdense star containing a charged perfect fluid. Neeraj Pant, Shahab Faruqi. Gravitation and Cosmology (Springer); July 2012, Volume 18, Issue 3, pp 204-210 (Russia).
<table>
<thead>
<tr>
<th>Author</th>
<th>Contribution</th>
</tr>
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<tbody>
<tr>
<td>Dr Nishamani Kar,</td>
<td>&quot;Indian life in Transition: A Study of A Tiger at Twilight&quot;, Rock Pebbles, Vol. XVI No.1, ISSN 0975-0509, Peer Reviewed, (ed.) UN Majhi</td>
</tr>
<tr>
<td>Associate Professor in English</td>
<td>(Jajpur; June 2012), pp. 202-207 on &quot;Information Retrieval and Visualization Methods for Learning&quot; at the National Seminar organized by Indain Naval Academy, Ezimhala held during 7-8 Sept'2012.</td>
</tr>
</tbody>
</table>
| Shri Rajesh Doss, Assistant Professor in Computer Sc. | a) "Multimodal Imaging and its application in Medical Science" International Journal of Advance Research in computer Science and software Engg.  
 c) "Enhancement of mammography images for breast cancer detection using histogram processing techniques". International journal of computer science and technology. |
 Books:  
| Dr K Murlidhar, Associate Professor in Physics | Published a research article entitled “Electrochemical growth of copper nanoparticles : Structural and optical properties” in International Journal of Electroanalytical Chemistry (ELSEVIER) : J. Electroanal. Chem. 686 (2012) 19-24. |
| Shri Mandke Mohanrao Vitthal, Assistant Professor in Physics |                                                                                                                                               |
{Archive(s)everywhere is the repository of history. Through the collection of remnants of the past, it documents and stores the footprints on the sands of time. It forces one to travel through the memory lane. In a way, it also inspires to forge forward and re-enact the memorable feats of the days gone by. It heralds a new beginning. This time we have taken a modest venture to publish an article from Trishakti Spring Term 1973 & a poem from Trishakti Autumn Term 1973. We hope this would provide enough food for thought for the readers.}

LEADERSHIP

Cdt Ranjan S Chand

There is now a greater need for a high degree of talent and skill among the officers of the armed forces. Therefore, the armed forces must secure and retain men of the highest caliber who have the traditional military attributes and qualities of character, loyalty, dedication and patriotism. Being a large complex organization, having intimate association with almost every aspect of national, political, economic and social life, the armed forces must consist of men who by their training and temperament have the necessary capacity to rise above their basic soldierly qualities.

Broadly speaking, there appears to be two additional capabilities called for. The first relates to technical competence and the second to breadth of outlook, judgement and wisdom. That is to say, a high degree of talent and skill is necessary in an officer to plan the use of complicated weapons and to understand the systems and their support organization and equipment.

But this does not mean that we must start thinking primarily in terms of scientific and engineering talent. The development of weapons has no doubt given rise to a higher standard of technical proficiency
among the officers. It should, however, be remembered that complicated and intricate weapons also presuppose problems of decision-making and leadership.

The armed forces must have their share of the talented and educated young men of the country, both as leaders and as technicians. These men must understand the role of the military establishment in a democratic country. They must be sensitive to political, economic and social changes both at home and abroad. They must have a high level of executive talent to manage large organizations. But, perhaps most important of all is good analytical judgement and wisdom at all levels of the officer cadre.

The average soldier of today is better educated and more intelligent that his counterpart of yesterday. He can think for himself and is able to weigh the pros and cons of a problem and come to decisions of his own. In the past if one were to tell the soldier that the sun rises in the west, he would, more often than not, say, “Yes Sir”, and would never question it throughout his life. But this no longer would hold good if you were to tell the same thing to a soldier of today. He would probably still say, “Yes Sir”, but that would only be due to his disciplined behavior. At any rate, he would lose whatever respect he had for you.

It is mainly this consideration that should weigh withus when we discuss qualities of leadership. The officer has to be far above the ordinary soldier in order that he can earn respect from him and lead him. If the soldier has faith in his superior, he will obey him implicitly. So, it is only true to say that discipline and obedience can be enforced today only if the officer is more educated than the soldier. That the Government has realized this is shown by its insistence on better educational standards and qualifications in institutions like National Defence Academy, the Indian Military Academy and the Officers' Training School.

It is far easier to recognize a leader than to define leadership. Broadly speaking, leadership is a combination of those qualities, the possession of which enables one to command others and to make them follow him. It is a dynamic process of interaction involving a commander, his subordinates and the environment. It can be acquired by all those who have the determination to be honest in thought, word and deed, who have the desire to excel in professional knowledge, who have vowed to be impartial in their dealings with others, who have acquired self-confidence and self discipline, and who fully realize the responsibility of their rank.

One of the French generals who commanded the army of France during the reign of Louis XV reduced the characteristics of a good leader to three basic essentials. The first is courage without which the others cannot be put to use. The second is sharp intelligence and the third is health.

Leadership is learned and taught and it is the product, not the sum, of many attributes. Its function in both civil administration and the armed forces is the achievement of aims through the proper utilization of available resources.

A leader must have an alert mind that enables him to take quick decisions. Time is a limiting factor to him. 'Pre-vision is provision'-this is an old saying well known to everyone in the Services. A leader who is far sighted can achieve the desired objective. The higher one is placed, the more necessary it is for him to be far-sighted. He should be professionally competent and intelligent. He should make decisions on the basis of available reports and forecasts. Decisions based on emotion, prejudices and inaccurate reports can be fatal in war.

The whole army works as a team and anyone who does not pull his weight is a deadweight and does not serve the cause. A leader should inculcate in his men a sense of team spirit. Also, he should have the ability to commend his men for their good work and take the blame himself for their failure. A leader who does not do this cannot achieve anything.
A leader should be loud in his commendation and gentle in reproof. He should be loyal to his men. In fact loyalty first extends downwards and then upwards.

A leader should have new ideas but that does not necessarily mean that he should do away with well-established traditions. It only means that he should not be guided solely by precedents or past practices. A leader who is orthodox and rigid does not have the desired effect on his men. He should practice what he preaches. Deeds speak better than words. He should not be bogged down with statistics. On the other hand, he should be flexible and able to make quick and on-the-spot decisions. This can only be achieved if he has personal contact with his men. This was one of the main reasons for Rommel's success in Africa.

It is unstinted devotion to duty that distinguishes a true leader from others. Duty encompasses the whole of his professional life: duty to his superiors, duty to the equals, and above all duty to the men he is privileged to command. Duty also implies integrity on which depends not only the fate of the armed forces but that of the entire nation.

**OUR ALMA MATER**

Cdt Pushpa Kumar Rai

None but the brave survive here,
Autumn, Spring and the year.
Tactics, aviation, navigation we learn,
Island it is of intelligence and fun.
Ornament of India, oasis of discipline,
Nascent officers run, sweat and cheer.
Absolute friendship, co-operation and with zeal?

Disciplined, gentle, daring but decent,
Enrich our souls the deeds that we do.
Frontiers of knowledge and easy to reach.
Exercised by officers and others alike.
Nation's pride our duty to protect.
Cosy comfort we don't care,
Everything fame is nothing to us.

A goal we have the Sinhgadh heights,
Conspicuous symbol of great bravery;
And what's more the Peacock Bay,
Delightful it is in silvery ray;
Every stone, hill and tree,
Memorable never foget, dearie,
Your loving, watchful Academy.
BE PART OF TODAY’S NDA
JOIN NDA ALUMNI ASSOCIATION & REMAIN CONNECTED

**Benefits of Joining**

**Personalised Services**
- Personalised Log in ID & Password for special Net Benefits.
- Creation of Alumni Helpline Number and permanent office at Sudan Block.
- Separate reception for alumni at the main entrance.
- Specially designed Car Sticker given along with membership card.
- Alumni Corner in Museum to display donations of gallantry awards by Alumni.
- Special NDA enclosure to witness POP.

**Guest Services**
- Stay as NDA guest for one night.
- Availability of light vehicle at nominal rent.
- Two exclusive Guest rooms in officers mess provided for.

**Alumni Communications and Events**
- Provision of access to NDA website. Post/View suggestions.
- Stay connected with Alumni Groups and Chapters.
- Subscription to “Trishakti” magazine at discounted rates.
- Purchase of NDA Coffee Table Book and memorabilia at discounted rates.
- Organise Reunion Events.
- Special section in “Trishakti” for NDAAA musings.

**On Campus Benefits**
- Utilisation of sports and other on-campus facilities during period of stay.
- Participate in NDA Day celebrations on 16 Jan every year.

**Volunteer Service Opportunities**
- Interact with their squadrons as part of term activities.
- Participate in various sports events with cadets.
- Provide services for improvements in the Alma Mater.
- Mentoring programs.
- Distinguished Alumni Awards program.
CRASHING INTO THE HISTORY

Sqn Ldr (Retd) S. A. Patwardhan

(The author passed out of NDA 16th Course as an Air Force Officer. He has clocked some fifteen thousand plus flying hours in his career spanning nearly forty years. A 1962 War veteran, the author has also served in Iraq as a flying instructor on deputation.)

An accident is the last thing which anybody wants to talk when recollecting the memories of one's Alma-mater. Maybe I have the dubious distinction of being part of the first recorded air crash in the Academy. No doubt, a man always come out of a deadly accident much wiser, if not then another one is on cards.

Background Of The Crash

During our times, all NDA cadets were trained together with cadets going for specialized training in their IIIrd term. The Air Force cadets were taught all the aeronautical subjects and along with gliding for air experience. Cadets who do well were rewarded with solo launches. We were taught glider flying on the side-by-side seating glider trainers 'T-21-B' and single seat gliders called 'Eon Baby'. These gliders were launched by pulling steel cable on a winch. These operations were conducted at the Gliderdrome. Things have improved a lot these days and there is a proper air strip at the old Gliderdrome. Power flying is carried out for the AF cadets these days.

After completing two years of combined training, we flyboys were thrilled to get our hands into these flying machines. Our training started in real earnest and I got my first solo on a T-21-B in Feb 59. After that I did many solo launches. The funniest thing about these solos was that there used to be ballast weight kept in the cockpit on the instructor's seat.

The Fateful Day

It was a glorious day, clear weather and strong head winds. I was taken up by my flying instructor (Flt Lt Babu Sawardekar) and after two dual launches, he sent me on solo. After I completed three solo launches on the T-21-B, he came and asked me if I would like to go solo on the single seat Eon Baby. An irresistible offer indeed for a flyboy. I jumped at the opportunity. I must have done well because I was the first one from my course to be given a chance to fly the solo glider. I was launched on the Baby and I completed two solos. As there was some more time for pack up, my instructor came to me while I was still strapped in the glider and asked me if I would like one more trip!!! I jumped at that and the greed of one more launch got me, as on that launch I crashed. The time was after midday and the temperatures were rising. As I was being pulled up by the cable for the launch, there must have been a strong gust of wind from the left and about 150 to 200
really feel calm and relaxed. Thanks a lot!

I know it's a long story, but it could be interesting for some people. Did you know that I'm not...
Tablet PC:
The Mobile Computing Technology

Rajesh Doss
Asst Professor, Computer Science

A tablet computer, or a tablet, is a mobile computer, larger than a mobile phone or personal digital assistant, integrated into a flat touch screen and primarily operated by touching the screen rather than using a physical keyboard. It often uses an onscreen virtual keyboard, a passive stylus pen, or a digital pen. The term may also apply to a variety of form factors that differ in position of the screen with respect to a keyboard. The standard form of tablet does not have an integrated keyboard but may be connected to one with a wireless link or a USB port.

Outlook of Tablets Taxonomy

The proposed taxonomy for tablets and its associated devices are:

Smart Tablet – a mobile client device with a smartphone operating system (such as IOS, Android, Blackberry) connected via wireless and/or mobile comms

Feature Phone – a mobile phone including digital camera and MP3 playback facilities connected via mobile and/or wireless comms

Smart Phone – a feature phone with the addition features such as an advanced operating system, touch screen, PDA functions and app store

PC – a computer based on x86 processor and running Windows, Mac OS or Linux operating systems

Tablet PC – a PC with the addition of a touch screen and the removal of keyboard and mouse – (a convertible is not a tablet in our view).

Dedicated Client – a device designed to perform a single specific function (such as e-book reading), hardwired connections (such as thin clients), or application specific activity (such as gaming)
Dedicated Tablet – a mobile client device retaining the specific function of dedicated clients; it is not a necessary definition of these to be touch activated, although gaming tablets have the most advanced motion control and interaction with associated apps. Tablet Usage And Feature Definitions And Directions

There are a number of features and usage aspects of devices that make them ‘tablets’, to be selected from various markets. Looking at each product may confuse us while selecting them. Hence, we can differentiate between necessary and sufficient features through basic issues as:

Input Type – The incorporation of touch screens allow smaller form factors, although this is not necessarily a defining aspect – Kindle or instance lacks this facility; future directions will no doubt see motion controllers from the gaming market and speech recognition, as in Apple’s latest iPhone, being adopted more widely; eventually some tablets may go beyond touch.

Connectivity – Tablets are almost always connected via either wireless or mobile comms; they go beyond PDAs, which typically use WiFi, PC synchronization and downloaded programmes to function; the extensive use of streamed apps makes some tablets less useful when not connected; the introduction of 4G will no doubt increase the functionality of tablets, although its adoption will also be disruptive (T-Mobile’s sale to AT&T in the US and partnership with Orange in the UK are signs of uncertainty in infrastructure investments).

Power – Tablets are almost always battery powered and so subject to the technical restrictions of acceptable minimum times between recharge; in future both solar and self-powering motion tablets will be developed, although the need to fit high specs into small mobile form factors will also push the development of more powerful and energy efficient batteries; wireless recharging will reduce the need for cabling for many devices.

Processor – Almost all tablets use ARM processors, although Intel proposes its Atom chip as an alternative; AMD has is also investing in Blue stacks – a venture-backed company working to run Android to x86 processors; in future we are likely to see a wider choice of chips and a move away from the general purpose requirements of the x86 instruction set, which are hungry in terms of electricity demands.

Screen size – Tablets can be differentiated from smart phones by their screen sizes; small screens are difficult to read and to fit space of touch screen keyboards; we will see a movement towards larger tablet screens; it is debatable whether large screen sizes of 17” and above are appropriate for tablets; as touch screens demand significant amounts of the power envelop they are likely to remain small, although large enough for video content viewing.
Producer/Consumer – Locally installed software use is a feature of PC tablets, although most packages still require keyboard and mouse input; smart tablets are mainly used for content viewing; use is moving towards automated interaction between apps and involuntary user activity; the centralization of applications is driving up the number of servers and storage systems implemented by suppliers used to serve tablet users.

App Download – There are restrictions on the location from which apps can be downloaded for those tablets which come from the phone market; the use of a suppliers app store is similar to the gaming console market, but very different to the PC area; while the use of HTML5 will ease the use of apps via the browser and suppliers such as Facebook will develop integrated apps, in future there will be increasing challenges to fully vertically-integrated approaches from EU anti-trust and other legislators; if Microsoft can be forced to separate its Internet Explorer from Windows, so tablet suppliers can rightly be targeted for their numerous restrictive practices.

Cost – There is always a boom for reduction of prices for the products based on technology. The price gets lower based on the consumers requirement and demand. When tablet was introduced its price was in the range of 1.5k to 5.5k. But today, we get tablets for even 4999 as offer prices. Still there are companies that sell for above 10k saying their quality is the best in the market.

Storage Support – Data today flourishes everywhere through any source of medium. In this case storage acts a primary part. But in tablets, storage is done through secondary devices like pen drive, portable hard disk or web storage. Apart from the storage of external source, the internal memory matter a lot for faster performance of the system.

This new technology now supports the new operating system version of Windows 8 - to be released as a complete version during October 12 at Microsoft Corporation Ltd.
Fourth Generation War (4GW) : Perspectives and Challenges

Dr. S.S. Misra
Associate Professor, Pol Sc

In the aftermath of the events of 9/11/2001 in America, as the world has been confronted with the transnational threats of terrorism, religious extremism and other forms of radicalism, the security analysts and military leaders are grappling with the new phenomenon of warfare. For many, it is the culmination of the Fourth Generation (4GW) warfare, which had begun much earlier during the 80s. Some military strategists even date back the origin of this 4GW to the guerilla warfare in Vietnam War. Before we examine the challenges of this new fourth-generation warfare, it is pertinent to classify the other three phases of warfare. The first generation began in the age of Napoleon followed by the second generation warfare which was known as the age of firepower and the third generation as the age of manoeuvres and ideas. But the fourth generation warfare is considered 'distinct' in its phenomenon and quite different from traditional wars. So the new 4GW does not involve only states and it is considered as asymmetric warfare or hybrid war as it involved non-state actors, militias and international groups.

However, the First Generation of modern warfare runs roughly from 1648 to 1860. This was war of line and column tactics, where battles were formal and the battlefield was orderly. The relevance of the First Generation springs from the fact that the battlefield of order created a military culture of order. Most of the things that distinguish "military" from "civilian" - uniforms, saluting, careful gradations or rank - were products of the First Generation and are intended to reinforce the culture of order.

The problem is that, around the middle of the 19th century, the battlefield of order began to break down with the growing contradiction between the military culture and the increasing disorderliness of the battlefield. So the Second Generation warfare was one answer to this contradiction. Developed by the French Army during and after World War I, it sought a solution in mass firepower, most of which was indirect artillery fire. The goal was attrition, and the doctrine was summed up by the French as, 'the artillery conquers, the infantry occupies.' Under this doctrine, centrally-controlled firepower was carefully synchronized, using detailed, specific plans and orders, for the infantry, tanks, and artillery, in a conducted battle.

Next, the Second Generation warfare came as a great relief to soldiers and particularly for officers because it preserved the culture of order. The focus was on rules, processes and procedures and obedience was more important than initiative and discipline was top-down and imposed. Second Generation warfare is relevant even today because the United States Army and Marine Corps learned Second Generation warfare from the French during and after World War I. It remains the American way of war which is observed in Afghanistan and Iraq. However, the Third Generation warfare, like the Second, was a product of World War I. It was developed by the German Army, and is commonly known as Blitzkrieg or maneuver warfare. Third Generation warfare is based not on firepower and attrition but speed, surprise, and mental as well as physical dislocation. Tactically, in the attack, a Third Generation military seeks to get into the enemy's rear and collapse him from the rear forward with the motto of 'bypass and collapse.' In the defense, it attempts to draw the enemy in, then cut him off. So war ceases to be a shoving contest, where forces attempt to hold or advance a line and thus the Third Generation warfare is non-linear and we have the best examples of it in the two Gulf Wars. Though aviation (air power) has replaced artillery as the source of most firepower and despite the US Marine's formal doctrine, which is Third Generation maneuver warfare, the American military today is still following the French ideas.

Next, the fourth generation (4GW) war is something different as it blurs the lines between war and
politics, conflict and peace, soldier and civilian, and battlefield violence and safe zones. This new form of warfare has arisen from the loss of the nation-state’s monopoly on violence; from the rise of cultural, ethnic, and religious conflict; and from the spread of globalization, particularly advanced technology. It is conducted in an increasingly decentralized manner and dispersed throughout a region or even the world. It has no defined battlefield as it is conducted simultaneously in population centers, rural areas, and virtual networks. It moves constantly to avoid detection and to target its enemy’s vulnerabilities. Moreover, Fourth Generation Warfare’s targets are not just soldiers, but also non-combatants, religious ideas, legal frameworks, media outlets, international agencies and agreements, economic activities, political power, and the minds of the people. Accordingly, targets are selected not just for physical destruction, but more for their mental and moral impact on an adversary. In the end, 4GW’s goal is to exploit an adversary’s weaknesses and undermine its strengths in order to convince the enemy’s political decision-makers that their strategic goals are either unachievable or too costly for the perceived benefit.

According to many military analysts in the 4GW, the distinction between war and peace will be blurred to the vanishing point. It will be nonlinear, possibly to the point of having no particular battlefields or fronts. The distinction between ‘civilian’ and ‘military’ may disappear. To quote one of the post-9/11 ‘War on Terror’ (WoT) speeches of former President George W. Bush at US Military Academy, West Point:

“Deterrence -- the promise of massive retaliation against nations -- means nothing against shadowy terrorist networks with no nation or citizens to defend. Containment is not possible when unbalanced dictators with weapons of mass destruction can deliver those weapons on missiles or secretly provide them to terrorist allies.” Thus, the Fourth Generation war is not a military but a political, social and moral revolution: a crisis of legitimacy of the state. All over the world, citizens of states are transferring their primary allegiance away from the state to other things: to tribes, ethnic groups, religions, gangs, ideologies and so on. Many people who will no longer fight for their state will fight for their new primary loyalty. In America’s two wars with Iraq, the Iraqi state armed forces showed little fight, but Iraqi insurgents whose loyalties are to non-state elements have been waging a hard-fought and effective guerilla war.

As Col T. X. Hammes of USMC eloquently argues in The Evolution of War: The Fourth Generation, social and political changes are driving this evolution and Fourth generation war will not replace second and third generation conflict but will co-exist alongside it. As the state system continues to weaken, however, it will be the warfare of choice for transnational organizations that wish to confront state militaries trained and equipped for the earlier generations. As Col Hammes observes that generations of warfare are not defined primarily by the technology employed since, each generation can use any available technology. Rather, generations of warfare are better categorized by political, social, and economic factors. Unlike Clausewitz’s concept of warfare, which envisions war as an act of policy in a contest between states, the 4GW is all in terms of ‘asymmetric’ operations—in which a vast mismatch exists between the resources and philosophies of the combatants, and in which the emphasis is on bypassing an opposing military force and striking directly at cultural, political, or population targets. The targeted states face decentralized, non-state actors (perhaps supported by a rogue nation or two) who understand just how big an impact attacks on markets, communications, and cultural icons. So in practical terms, the Fourth Generation War (4GW) emerged in the late 1980s, but has become popular due to recent twists in the war in Iraq, and terrorist attacks worldwide. As it is found in the context of American ‘war on terror’ and the campaign in Iraq and elsewhere is that the increased dispersion and democratization of technology, information, and finance brought about by globalization has given terrorist groups greater mobility and access worldwide. At this point, globalization seems to aid the non-state actors more than the state, but states still play a central role in the support or defeat of terrorist groups or insurgencies.

Thus in present times, it is obvious that all states and people are confronted with this new menace of 4GW and hence it requires a coordinated response in terms of political, military, economic, social and cultural initiatives to browbeat the shadowy non-state actors. These trans-national outfits like al Qaeda are characterized as loose networks operating in decentralized fashion, moving, planning, and acting in small groups who depend on low-technology in their propaganda and mobilization to take on states and their massive institutions. Thus the key to victory over them is intelligence. To ensure access to and proper analysis and dissemination of this intelligence, every state must significantly improve its collection efforts on
human intelligence, open source intelligence, and cultural intelligence. It must also redefine its intelligence indicators, increase its intelligence processing and analysis capabilities, and develop flat networks that allow intelligence to flow both vertically and horizontally. For the intelligence strategy to be successful, the military leadership must develop a unified grand strategy so that all components of the military and associated agencies are aligned toward achieving the common goal of defeating a fourth generation warfare opponent.

Moreover, all states must develop and work towards enhanced interagency and multinational capabilities and coordination, dynamic public diplomacy and statecraft, partnership building capacity, superior expeditionary power projection, realignment of global defense structure, in order to face the onslaught of 4GW. At individual state level, every state should have more adaptive planning and operational warfighting art, enhanced training and educational programs, more agile, professional multi-purpose forces; and a renewed appreciation of and capacity to wage irregular warfare. All nations must be able to adaptively and effectively combine these capabilities to prevail in the 4GW which will dominate the international system from near to mid-term.

IMPORTANCE OF DRILL

Cdt R Prateek
33824/Q/125

When we hear the word drill the first and foremost thing which comes in the mind of an individual is 'discipline'. The word Drill helps in enhancing the personality, body structure, walking style of an individual. Drill only makes a person self-disciplined & self-reliant.

Regarding defence context drill has utmost importance, it reflects how well disciplined and sincere a defence personnel is towards his job. In Drill even minute things are looked upon, starting from his dress to cap to his shoes; each and everything should be immaculate.

It is not so that drill is only related to defence personnel & people attached to it. If we look at the literal meaning of word 'drill' it means following and obeying a procedure properly without any errors. So if we take the case of sports, for example, Football, before the match commences a proper warm up and practice is done and same goes for other sports also.

In defence training institutions like NDA, IMA, OTA etc. more importance is laid on drill so that the cadet becomes self-disciplined & becomes a good officer in the future. For this a proper type drill periods are there along with well trained instructors to teach the cadets.

To sum up one can easily summarize that drill improves discipline, body structure & self behavior and hence should be practical by one and all.
Invisibility has been a subject of human fascination, from the Greek legend of Perseus versus Medusa to the more recent The ‘Invisible Man’ and ‘Harry Potter’. Researchers are currently exploring the possibilities associated with an artificial type of matter called metamaterials that will make everything from planes to subs to soldiers...disappear.

Meta means 'Beyond' in Greek. Meta-material literally means beyond conventional material. They are typically man made material but having properties not found in nature and not observed in the constituent materials.

So how do metamaterials make something appear invisible? Imagine a fabric woven of thread. In this fabric, light is only allowed to flow over the threads (meaning it can't travel between the threads). If you punch a hole in the fabric with a pin, light will go around the hole and resume its original course of travel, since light can only travel over the thread. So to the light waves, the hole does not exist. If you put an object in the hole, the light waves would go around the object too, effectively rendering the object invisible. This is what metamaterials theoretically can do. They guide light around an object, rather than reflect or refract the light similar to how water flows around a rock in a stream and make it invisible downstream.

Metamaterials are often associated with negative refraction and this property has gained substantial attention because of its potential for cloaking devices and for microscopy with super resolution. The key to the cloaking device is taking advantage of a concept known as the index of refraction.
In 2006, a team of physicists led by Prof Sir John Pendry of Imperial College London and David Smith of Duke University, North Carolina, created an invisibility cloak made of metamaterial that guided microwaves around an object. The Duke team used metamaterials to make their cloaking device that has gradually varying refractive indices. The result is that microwave light subtly bends around the device and is able to rejoin the main stream on the other side, albeit with some detectable distortion. To assess the cloak's performance, the researchers aimed a microwave beam at a cloak situated between two metal plates inside a test chamber (pictured), and used a specialized detecting apparatus to measure the electromagnetic fields that developed both inside and outside the cloak. By examining an animated representation of the data, they found that the wave fronts of the beam separate and flow around the center of the cloak.
An object's index of refraction, or refractive index, determines how much light bends when passing through it. All naturally-occurring materials have a positive refractive index. As light waves travel from one medium to another, the difference in the refractive index between the two will cause the light wave to bend at a certain angle. Consider what happens when you stick a straw into a glass of water. The straw appears to bend or break as it enters the water. What you're seeing is the way light bends as it moves from the air (which has a refractive index of about 1) and water (which has a refractive index of about 1.33). The light is still propagating forward, but it has made a slight turn, and so your eyes see a broken straw.

In negative refraction, a light ray no longer appears to be propagating forward; when it bends, it bends backward. So, if the water is replaced by a negatively refracting medium the straw looks as if it is bending backwards. In order to manipulate light at this level, you have to manipulate the structure of the material it's hitting at an extremely small scale. That's where metamaterials come in.

Invisibility

Literally, invisibility represents the state of an object staying in plain view of an observer without being seen. Invisibility can be grouped into various categories. One of them is referred to as Camouflage where an otherwise visible object can stay indiscernible from the surrounding environment due to similarities in colors and patterns. Another method of being undetectable is to prevent information about the object from reaching the detectors (like radars). The stealth technology is usually accomplished by using absorptive surfaces along with special shapes and materials; all intended to reduce the cross section of the object against particular sources. The ultimate version of invisibility is to make an object reflect no light and absorb no energy i.e. the object is given same scattering properties as those of vacuum. This last method of invisibility is the eventual goal of cloaking devices.

Even stealthier military vehicles
A stealth fighter plane sheathed in the right layer of metamaterials could be invisible to radar. The shield would be visible, but radar wouldn't be able to detect the plane. Now aircraft engineers are moving on from radar; designing planes that are invisible to the naked eye. According to aviation consultants, it is because western nations are increasingly waging wars against technologically inferior adversaries. If you are fighting the Taliban, they haven't got radar – what they have got is rocket-propelled grenades. Fire an approximately $200 RPG and it is goodbye to a $20 million helicopter – not to mention the people inside it.

Making the entire aircraft invisible to the naked eye is a bigger challenge. If research and funding for metamaterials continues at its current pace, these challenges could soon be overcome. But there are other challenges that must be solved before the technology is practical. One demand of the armed forces is that it be asymmetrical. This means that the wearer on the inside should be able to see out, but he or she would be invisible to anyone outside the suit. Once these problems are worked out, the army of the future may be very hard to spot.

Controversy

Every new discovery or invention has controversy surrounding it. Metamaterials are no exception. While metamaterials and cloaking are exciting technologies, they have many limitations. Metamaterials interact with light in ways that appear to violate the laws of physics. In the case of negative refraction, the light waves behave much more oddly, as you can see in the image by UC Berkeley's Jason Valentine and Robert Lee.

But there have been quite a few experimental results to support negative refraction as mentioned previously. With such mounting evidence, researchers around the world have started accepting this new artificial material with its unusual properties. Besides, many defense organizations, companies and research institutes are sponsoring research projects to explore such artificial metamaterials. But metamaterials must be painstakingly structured at the nano and micro scales in order to achieve these exotic effects. Ingenious engineering has provided us means to create such artificial materials with responses that are difficult to find in naturally appearing and earlier known classical materials. The design relies on inclusions and the new properties emerge due to specific interactions with electromagnetic fields. The potential of nanotechnology and material science offers a very promising alternative to realize these designs at a very small scale.
ROLE OF UCAV IN INDIA'S NATIONAL SECURITY

Dr. Jagmohan Meher
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One ground-breaking dimension of the Revolution in Military Affairs (RMA) – where India is yet to synchronise – is probably the ongoing passing phase of costly fighter planes and gigantic bombers, and their replacement by the cost effective and smaller Unmanned Combat Aerial Vehicle (UCAV). Experts believe that the American F-22 Raptor and the Russian 5th generation T-50 are possibly the last of the manned fighters, and now that all research efforts are being directed towards UCAVs. In the US, drone pilots would outnumber those in cockpits in the foreseeable future as the Air Force is already training more drone pilots than fighter and bomber pilots combined. There is serious thinking in the Royal Air Force that 30 percent of the present strength of fighter aircrafts be replaced by UCAVs. Clearly, UCAV has begun to substitute for manned aircraft and the future air warfare is witnessing a definite ‘transformation’ in force structures, doctrines, training methodology and the management of human resources. This global avionics momentum – preceding the success of American Predator operations in Yemen, Iraq and Afghanistan in the first decade of the new millennium – has moved the debate in India from “should the UCAV be acquired” to “how soon can UCAVs be acquired and deployed.” If that is indeed the case, then it is very pertinent to explore our understanding of this sophisticated flying machine, our current status thereof, and the role it could possibly play in India’s volatile geo-political situations and strategic environment.

The Nomenclature

UCAV is the logical progression of UAV (Unmanned Aerial Vehicle). The UAV is an aerial vehicle with no pilot to man controls. They are remotely controlled by personnel on ground or by pre-programmed flight plans. They are technologically less sophisticated, smaller in size, relatively low-priced and accessible in the international market. UAVs are limited to support functions such as reconnaissance and intelligence gathering. They are not designed to deliver weapons against enemy targets. But they act as major force-multipliers for their ability to send back real-time imagery of enemy targets with their sensors and cameras.

On the other hand, the advent UCAVs has transformed the very philosophy of modern warfare by demonstrating their new and unique war fighting capabilities. They are redefining the contemporary concepts of air power and would potentially revolutionise its future use. They are much more advanced, almost like fighter jets in the sense that they let loose missiles on enemy targets before returning home bases to re-arm themselves for the next mission. The advocates of using UCAV in a precision air attack role routinely cite the potential of high-speed and its highly maneuverable platforms to outperform manned aircraft. They also eliminate risk of aircrew being killed since they are remotely-piloted. In fact, when UAVs are armed and used as weapon delivery systems to take offensive action with lethal weaponry, they are called UCAVs.

India's Present Status

India has been procuring UAVs since the Kargil Conflict in 1999. It has been estimated that the Indian
Armed Forces have inducted over 160 drones in the last thirteen years. But these are mainly used for detecting incoming missile attacks or border incursions. It includes a fleet of Searcher and Heron UAVs to perform surveillance and reconnaissance roles vis-à-vis enemy territory. However, soon the IAF began exploring "add-ons or attachments" to this fleet to upgrade them from their present surveillance and precision-targeting roles into some sort of combat drones.

Of late, Indian defense forces dedicated satellite links and channels for the use of UCAVs and inducted a few Israeli-made Harpy and Harop which are now known as India's first UCAVs for offensive strikes. This induction, for the first time, provided IAF the capability to take down enemy positions without having to send its manned fighters to hit ground targets. Harop is an upgraded and larger version of the Harpy, an anti-radiation seeker designed to loiter, detect and home in on enemy radar positions. But unlike the fully-autonomous Harpy, the Harop is controlled in flight by a remote operator. Rather than holding a separate high-explosive warhead, the Harop drone itself is the main munition and is designed to loiter the battlefield and attack targets by exploding into them. This self-destructive feature makes it a very expensive option.

The moves to acquire UCAVs gained momentum among the defence forces and policy makers only after the Mumbai terror attacks in November 2008 when the country's military leadership pressurised the government for their procurement. In 2010, the IAF issued a global RFI (Request For Information) to armament giants worldwide for procurement of combat drones. The RFI clearly specified that the IAF is looking for "state-of-the-art" stealthy and high-endurance UCAVs, with precision weapons and satellite data links. Over the longer term, India will look to procure or develop the next generation UCAVs that will substitute missile-fitted fighter jets for conventional attack missions.

It has been reported in the media that India is quietly going ahead with an ambitious programme to develop its own stealth UCAVs or 'smart' drones capable of firing missiles and bombs at enemy targets with precision. But this secretive project, AURA (Autonomous Unmanned Research Aircraft) of the Defence Research and Development Organization (DRDO) will take seven/eight years to develop the UCAVs. DRDO sources have revealed that with its sophisticated features, the AURAs will be highly intelligent drones. But unlike American Predators, which are like aircraft, AURAs will be more of 'a flying-wing' in design aimed at ensuring to have a low radar cross-section to evade enemy sensors. DRDO has also developed Nishant, Lakshya, and short-range smaller ones named Pawan and Gagan tactical spy drones. Recently, it has developed Rustam, a Medium Altitude Long Endurance (MALE) variant; some compare it with the US MQ-9 Reaper.

Role

Already India is extensively using to snoop along its borders with Pakistan and China, as also to track militants in the North-East and Kashmir. Counter-insurgency, coastal surveillance, EEZ monitoring, disaster relief monitoring, etc. have been the primary areas of UAV applications so far. Following the deadly attack on paramilitary forces in Chhattisgarh in September 2009 that killed 76 security personnel, some surveillance UAVs were deployed in Maoist-infested areas. In last few years, the Army, Navy and Air Force have deployed UAVs mostly for reconnaissance and intelligence gathering purposes. News reports over the last decade suggest that all three branches are keen to induct armed drones and full-fledged UCAVs in the years ahead.

The Army has inducted slightly bigger mini and micro spy drones in a major way for short-range surveillance and intelligence-gathering missions as well as detection of NBC (nuclear, biological, chemical) contaminants in the battlefield. Two UAV squadrons of high-altitude, long endurance Herons, with eight drones each for Srinagar-based 15 Corps and Leh-based 14 Corps are already on operation in India's most volatile but strategically significant region. These drones can remain airborne for 16 hours and has a maximum range of 150 kilometers at the relatively high altitude of 18,500 feet, making it especially suitable
for missions over the Himalayas. The 1.13-million strong Army wants some of these man-portable micro spy drones to be capable of even hitting small but high-value enemy targets in keeping with its plan to induct such UCAVs in phases right down to the battalion-level by the end of the 12th Plan (2012-2017). Being stealthy because of their small size, these drones are to be used to equip Army’s Para (Special Forces) battalions for “covert missions beyond enemy lines, counter-terrorism operations and ‘beyond-the-hill’ surveillance.” The Army has also planned to acquire 500 micro- and mini-UAVs with an endurance of 30 minutes and the ability to be operated by two soldiers. These robotic flying machines are specially considered suitable for operations in the Naxalite-infested areas against which intelligence gathering has become very difficult because of the nature of the terrain the Maoists extremists inhabit.

The Navy has to keep a close watch on its 7,516-km coastline, 1,197 islands and a huge 2.01 million sq km Exclusive Economic Zone. In order to provide a full-proof medium-range surveillance up to 200 nautical miles, it operationally deployed its first-ever squadron (INAS 342) of Israeli spy drones with eight Searcher-II and four Heron UAVs, which were formally commissioned at Kochi in early 2006. Since then, the Navy has come a long way in deploying naval spy drones on its long coast-lines. In the western front, the naval UAV squadron (INAS 343) with a mix of Israeli Searcher and Heron drones was formally commissioned at Porbandar in January 2011. The purpose of deploying these drones on the Gujarat coast was to detect terror and conventional threats emanating from sea from across the border in real-time as timely detection of maritime threats is critical to neutralize them with counter-measures before they come anywhere near the coast or crucial offshore installations. Navy has also inducted two more advanced Herons, which are strategic MALE UAVs and carry a payload of 250 kg for around 50 hours of continuous flight to boost its maritime snooping capabilities. After Kochi and Porbandar, a new naval UAV squadron (INAS 344) was formally commissioned at Uchipuli in Tamil Nadu in April 2012. Port Blair in Andaman and Nicobar Islands has also been earmarked for yet another squadron. All these initiatives are aimed at plugging holes in India’s coastal security architecture, which were exposed by the 26/11 terror strikes in Mumbai. The Navy’s Searcher II and Heron UAVs also played an important role in the rescue operations for the 2008 tsunami.

Similarly, increasingly threatening strategic environments is pushing the IAF to increase its dependence on UAVs as some reports suggest the possibility of a Predator equivalent being jointly produced by China and Pakistan. As such, the Chinese have already featured their Chang Hong-3 UCAV platforms in various defence exhibitions in recent years. Considering these developments, one could easily visualize that the day is not far when Pakistan will receive these Chinese built aerial systems. The simmering conflict between India and Pakistan in South Asia, the contentious India-China border issues, and the push for strategic space between the two Asian giants in the South-East Asian region has fueled the requirement of making a more secure air environment. To meet these emerging threats, the IAF is trying to bolster its UAV force and in the process of integrating its UAVs with weapon platforms for delivering precision-guided munitions. According to foreign news reports, some of the UAVs used by the IAF also have the ability to fire air-to-surface missiles. Externally, UAVs have played a dominant role in IAF operations on various fronts — including Lebanon and the Gaza Strip — and account for a quarter of the IAF’s overall flight hours. Reports suggest that a specific “drones” unit will soon be established in the IAF.

Conclusion

UCAV can be manufactured and operated at a tiny fraction of the cost of manned fighters, as it needs only to be flown during wartime, high tension periods or on special surgical strikes. It is difficult to understand that at a time when most nations — including the United States and China — are increasingly phasing out or fielding smaller quantities of 5th generation fighters, Indian military planners are preparing to sign the $35
billion, biggest-ever defence project with Russia for the supply of over 200 such stealth fighters over the next 20 years; the planes to be made available from 2022 onwards. IAF officials argue that this swing-role fighter will meet its future operational needs with all its “fully blended features.” But it can be envisaged that given RMA’s pace, the UCAV technology would have completely replaced the 5th generation planes, and would well be doing the role of that of the manned aircrafts by the time these fighters are inducted into the IAF.

Eventually, the only option for India is to fast-track our procurement of UCAVs, both from outside sources as well as from indigenous research. First, given India’s strategic ties with the United States and Israel, New Delhi could pitch for their advanced UCAV. But as always, Washington’s decision will certainly be weighed by Pakistani reactions, which may not be positive. Israel, however, poses no such strategic and geopolitical issues for India. Second, apart from expediting the DRDO’s AURA (and other) project, private companies like the TATAs could be pushed through advanced drone research and developments within the country. Tata Advanced Systems Limited (TASL) and Israel Aerospace Industries have already lined up a joint venture; named NOVA Integrated Systems Ltd., which is developing a family of Mini UAVs for various defence and civil applications. These flying machines are likely to be fully equipped with a wide variety of mission-specific payloads. Given the ever changing geo-strategic environment and threat scenarios, the present UAV fleets should comprise a "bigger dose" of attack drones.

### INTERESTING INCIDENT

Cdt S Swain
33533/P/124

This witty incident occurred when my friend’s father was working at a foreign bank in Mumbai.

A young chap well in his early 20’s, handsome, tall and nicely dressed entered the main entrance & straightaway walked up to him. He said that he wanted a loan of $10,000. Documents were processed and the loan was passed. For collateral the young man parted away with his $90,000 Lamborghini, much to the amazement of the bank employees. No one questioned him as he was in a hurry. After a month, he returned from the same door and paid the bank $10,083 that was the principal + interest. The bank staff asked him why he asked for a loan of meager sum of $ 10,000 when he owned a $ 900,000 Lamborghini and what was the need to give it as collateral.

To this the young lad replied “The car was very much prone to get stolen away by thieves if he would have kept it at his home. As he had to go to London on an important business trip, he took a loan of $10000 and got car parked in the bank’s highly secured parking lot. And that too only for $83 while it would have cost him well above $8000-$9000 at any other security agency.

To this the bank employees applauded in appreciation and the young man took his car and went away.
Importance of Body Language

Cdt Suyash Balyan
34173/F/126

By a man's fingernails, by his coat sleeve, by his boots, by his trouser - knees, by the calluses of his forefinger and thumb, by his expressions, by his shirt cuffs, by his movements - by each of these things a man's calling is plainly revealed. That all united should fail to enlighten the competent enquirer in any case is almost inconceivable.

SHERLOCK HOLMES (1892).

From childhood onwards, we are aware what people say is not always what they mean or they feel.

In the beginning, silent movie actors like Charlie Chaplin were the pioneers of Body Language skills, as that was the only means of communication available on the screen. Each actor's skill was classed as good or bad by extent to which he could use gesture & body signals to communicate to the audience. When 'talking films' became popular, less emphasis was placed on the non-verbal aspects of acting. Many silent movie actors faded into obscurity & only those with good verbal & non-verbal skills survived.

As far as the academic study of Body Language goes, the most influential pre-twentieth century work was Charles Darwin's "The Expressions of the Emotions in Man and Animals", published in 1872, but this work tended to the road mainly by Academicians. Albert Mcradian, a pioneer researcher of body language in the 1950's found that the total impact of the message is about 7% verbal (words only) and 38% vocal (including tone of voice, inflection and other sounds) & 55% non verbal.

Body Language is an outward reflection of a person's emotional state. Each gesture or movement can be valuable key to an emotion, a person may be feeling at that time for example:- a man who is self-conscious about gaining weight may tug at the fold of skins under his chin; the woman who is aware of extra pounds wears saris; the person who is feeling fearful or defensive might fold their arms or cross their legs.

When we have a gut-feeling that someone has told a lie, we usually mean that their body language and their spoken words don't agree. Similarly, when someone says that he is happy, his body language suggests quite the contrary.

The significance of body-language in present scenario is not hidden from anybody. Important personalities have started keeping their own personal body language consultants, especially those whose field requires expertise in body language. For example - Politicians, Actors, Cricketers, Business Leaders etc.

In common day-to-day life also body language plays a vital role. Be it interviews, social interaction, romance etc. The only ways to improve our own language in to root out bad practice of which, we are used to and to deliberately adopt a better body language. By improving upon these factors alone, we can reach to the zenith of success.
EVERYDAY HEROES: THE INSIGHT

Cdt Akshay Guleria
33807/A/125

Help! Help! Cries out small girl stuck on the edge of a cliff and then a most reassuring voice calls as “Fear not little one, for I am there”. Hence He saves the child. Now the girl asks him, “Who are you? You are not Superman, Spiderman, Batman or He- man, for I know all of them”. He replies “I am not a superhero. I am a common man. I am the one standing next to you in a crowd. I may be your neighbour, your relative, a stranger or perhaps even you. I am not known by many, perhaps not known by me too. The girl, not understanding, asks him, “What do you do?” I do a few good deeds here and there “. He explained “Yes, but it can be many things, I may help someone without any personal concern. I may just clean a park to make my Mother Nature cleaner and greener. I may stand up for myself when others say I can’t or shouldn’t, just because I thought it right”. The girl now asks with a confused expression, but when no one knows about you or praises you, why do you do it?”

He pauses now, thinking how to explain this to the girl. “Well I do it not for a reward but for something even higher. I don’t want my praise to be sung on the streets or my name to reach far off lands. I just do it for that immense satisfaction which you get when you choose the harder right instead of the easier wrong. When I face myself in the mirror I see a fearless, happy, contented and a radiant smile”. Now the girl smiled. “And I do it because I am addicted to that smile. I do it because I know there’s a God watching us always, and now little one I must leave”. “Wait! Wait! How does this God reveal himself? Where can I find him? He pointed out to the far off mountain and said “On top of that mountain is a temple dedicated to the God and he was gone.

Half a centaury later a small boy stuck on the very same cliff cried “Help! Help! And a most reassuring voice called out” fear not little one for I am here. It was the same girl now in her fifties having lived a very active and contented life, always remembering what he had taught her. She had now come to visit the temple of the God. She saved the boy and went ahead to reach the temple on the mountain.

Finally she reached there. It was not a temple, just a small hill and on it were written the words: “Aim for the stars and you might reach the moon, and perhaps when you aim for the moon you might reach the stars”. Not quite sure, she opened the gate of the hut, it was dark. Now she disappeared. She stepped inside and saw a square board kept in the corner with the words on it: “TURN AND THE GOD SHALL REVEAL HIMSELF, IF YOU DESERVE SO.”

She held her breath and slowly turned it over. She saw herself in it- it was a mirror, she was confused thus as, realistic impressions showered upon her face, A smile so radiant and full of joy that she suddenly felt refreshed.
Seniors have always occupied a rather uncertain position in the opinion of their juniors with their authority always making them lean towards the negative side. The tense relationship is clearly unhealthy for good professional atmosphere and even affects the productivity of juniors.

As a result, it is important to think whether the seniors should be strict with his juniors, or gain their respect and allegiance. Though both of them are clearly essential, striking the right balance can be quite a challenge. Let us look into how this can be achieved effectively.

First let us address the question of whether seniors should be strict with their junior or try to gain their respect and confidence. In the present day night stress work scene, maintaining a congenial relationship amongst the employees of different ranks is the main challenge of today's office management. These days, the beaten concept of feared seniors intimidating their juniors is passé. Modern day senior believes in gaining the juniors respect through maintaining a good rapport, and giving them enough opportunities to express their ideas without fear of being rebuked. This helps seniors to achieve their juniors' confidence. This consequently helps the later to build their allegiance towards the seniors and then there comes a tremendous scope of growth.

Strictness and rigidity may hinder their performance by putting a boundary to their way of working. Today seniors always encourage their juniors to come with out of box ideas to deal with difficult situations. But the big question is how can such a relationship be established between seniors and juniors in an organization?

A good senior should always understand the competence and the role of his juniors by having a good grasp of fundamentals of their work. It's always a good idea for a supervisor to allocate a sufficient interactive meeting schedule with all juniors and seniors during which one may go through their common goals and invite contributions towards their good. As a senior, it is your duty to establish success as a joint initiative between you and your juniors.

Thus a good senior should be understanding, approachable and reasonable. Thus a congenial and respectful understanding between seniors and juniors can go a long way in creating a suitable working environment.
In June 1925, the Skeene Committee formed by British government recommended that Indians should be made eligible for training at the RAF College, Cranwell, UK for commissioning in the Royal Indian Air Force. Consequently, on 8th October, 1932 the IAF came into being after having dropped the title 'Royal', and Air Marshal Subroto Mukherjee took over as its first chief. During the World War II, the role of the IAF at that time was tactical reconnaissance and cooperation with the Army.

In the decade after independence, the IAF underwent the true beginnings of a major re-equipment programme which was meant to raise its standards to a world level. Since the independence there have been numerous operations in which the IAF played an extremely important role, such as the 1962 Indo-China war, war with Pakistan in 1965 & 1971, Ops like Meghdoot, Pavan, Cactus & more recently the Kargil war in 1999.

The IAF entered the jet age with the procurement of the Vampire aircraft in 1948. In the same year, a bomber squadron was also raised. With such advancement, the IAF put up a great show during the wars that were to occur in the near future. In a classic air action in the Western sector during 1971, 4 Hunters of the OCU detachment at Jaisalmer destroyed an entire armored section of Pakistan at Jonewala, literally immobilizing the enemy on its offensive track. During this time, the Mig-21 & the Jaguar were inducted to fulfill the requirements of a superiority fighter & a deep penetration strike fighter respectively Mig-23 & Mig-27 were inducted in the early 80s to fulfill similar role.

The era of multirole fighters began with the induction of supersonic interceptor like Mirage 2000 & Mig-29 in 1988, the highly capable trisonic reconnaissance aircraft Mig-25, strategic heavy lift aircraft IL-76, medium tactical transport aircraft Ar-32, utility helicopter Mi-17, which is the largest of its kind in the world, the deadly attack helicopter Mi-25, and an array of sophisticated weaponry propelling the IAF into being one of the world's most potent air arm. The IAF can today boast of having the most advanced air superiority aircraft, the Sukhoi Su-30 MKI, in its inventory.

Also, India and Russia are jointly developing a 5th generation fighter aircraft known as the Sukhoi T-50 Pakfa. The IAF has played a very vital & crucial role in ensuring the security of the country and after having proved its mark in a series of wars and ops, a lot is being done to upgrade the inventory of aircrafts of the IAF by procuring C-130J Hercules, a multirole transport air craft, the advanced light combat Helicopter and the indigenous developed light combat Aircraft Tejas. India has also signed a multimillion dollar deal with the French company Dassault to procure the medium multirole combat Aircraft (MMRCA) 'Rafale', and once these aircrafts are commissioned & become operational, the whole face of IAF would change & IAF would be indomitable in the skies throughout the world & would touch the sky with glory.
WHERE THERE IS A WILL THERE IS A WAY

Cdt Akshay Prasoon
34454/A/126

They meet with despair, defeat and failure but what puts them apart from others is that they do not succumb to these setbacks. Achievers continue to strive hard for the accomplishment of their goals. This very spirit is epitomized by saying- "Where there is will there is a way".

Our ancient scriptures advocate the fact that one should do one's duty with determination and equanimity of mind. In Gita, Krishna advises Arjuna to overcome his dejection and face the enemy at the battlefield with firm determination and strive to win. For Eklavya- it was his sheer grit and will power that helped him established himself as the true master of the art of archery.

In the field of art and literature also there is no dearth of examples who despite their adversities showed the will that led them to the path of success. Amadeus Mozart was deaf but that did not deter him from composing some of the best music pieces in the history of music. John Milton despite his blindness composed his immortal epics Paradise lost and Paradise Regained. Sudha Chandran- the famous Bharatnatyam exponent had her leg amputated following an accident but it was her grit that helped her archive the position where she is.

Sometimes, it is seen that despite of hard work and long struggle one does not achieve success while another person may be successful without much struggle. However, these are exceptions rather than norms.

It is rightly said "Human life is everywhere in a state in which there is much to be endured and less to be enjoyed". One should be active and optimistic. We should hope for the sky and we will learn to fly. A man with iron will and positive approach can certainly pave a path for himself inspite of obstacles and hardships comforting them at every part of their journey.

It is said - "Little strokes fell mighty oaks". Patience, commitment and perseverance certainly yield rich dividends.

Every one wants to be successful, but dreaming of success one should not forget that the long battle has to be won before the final victory. Whatever we do, whichever field we choose to succeed in, it is our will power- the greatest driving force, which helps us sail through all the difficulties in life.

"Life is an art, a mountain of troubles, in our troubles we should not cry, only try, try and try and struggle hard and consider the sky with our skill and power of will".
GAMES AT NDA:
THE CONCEPT OF MULTIPLE STRINGS
Cdt MK Yadav
33535/P/124

Games have been an integral part of Military training, and NDA training has been no different. An extensive emphasis has been laid on various games like Basket-ball, Football, Hockey and Volleyball since the early days of the Academy.

These games not only imbibe a team spirit but also boost an individual's confidence and hence the concept of multiple strings is an added advantage. First of all, it has the advantage of uniting the Squadron as most of the posted strength in a particular Squadron is playing. Secondly, it gives an opportunity to everybody to pick up a game. The earlier arrangement of two strings per squadron ensured that the cadet proficient in the game could only take part. This unfortunately gave only the senior cadets the opportunity to be part of the game. Therefore cadets who did not know the game made no endeavour to learn any game and passed out without proficiency in any game.

The introduction of five strings per game has changed the scenario drastically. Since more cadets are required to constitute the string it has enhanced the participation of junior cadets. Those of them with no knowledge of the game earlier could now be seen not only to pick up the game but in course of time also to excel in it. Thus multiple strings have become a nursery for the novices. It has not only helped in making games more accessible to them but also proved to be a confidence booster for the fresher as well as ensuring the spirit of camaraderie among the cadets of every squadron.
हिन्दी भाषा का उद्भव एवं विकास

सुश्री उमा सन्होत्रा
सहायक प्रोफेसर
हिन्दी विभाग

हिन्दी भाषा भारतीय आर्य परिवार की एक आधुनिक भाषा है। भारतीय आर्य भाषा को निम्नलिखित भाषाओं में बांटा जा सकता है -

1. प्राचीन भारतीय आर्य भाषा काल (1500 ई. पूर्व से 500 ई. पूर्व) जिसके अंतर्गत वैदिक, लोकिक संस्कृत भाषाएँ आती हैं।

2. मध्यकालीन आर्य भाषा काल (500 ई. पूर्व से 1000 ई.)
प्रथम प्राकृत (500 ई. पूर्व से 1 ईस्वी)
भाषाएँ - पालि एवं अशोकी अभिलेखों की प्राकृत।
द्वितीय प्राकृत (1 ईस्वी से 500 ई.)
भाषाएँ - महाराष्ट्री, शौरसेनी, मागधी, अर्धमागधी, पैशाची।
तृतीय प्राकृत (500 ई. से 1000 ई.) भाषा - अपभ्रंश

3. आधुनिक भारतीय आर्य भाषा काल (1000 ई. से आज तक)
भाषाएँ - हिन्दी, बंगला, मराठी और गुजराती आदि आधुनिक भाषाएँ।

भाषा विज्ञान के अनुसार भाषा के उद्भव में बोलियाँ ही कारण होती थी साहित्यिक भाषाएँ नहीं। हिन्दी किसी समय भारतीय मध्य देश की कोई बोली थी जो बाद में भाषा पद को प्राप्त हुई। साहित्य भाषा के समानान्तर सामान्य जनों के दैनिक व्यवहार में सरल और सीधी भाषा बोली जाती है, जो साहित्य भाषा से मिलती जुलती होने पर भी उसकी प्रादेशिक बोलियों के निकट होती है। साहित्य भाषा व्यक्तिगत नियमों से बंधी होने के कारण प्राप्त: स्थायी रूप बनती हो जाती है। पर सामान्य जनों की भाषा का प्रवाह अवधार गति से प्रवाहित होता रहता है इस भाषा को लोक भाषा या जनभाषा कहा जाता है। भारतीय आर्य भाषा का आदि साहित्यिक रूप हमें क्रिवेद में (2500 ई. पूर्व से 1500 ई. पूर्व) की परिनिर्मित भाषा में मिलता है। क्रिवेदों के मंत्र छटोंट्यल मे; वैदिक भाषा को छटोंट्यल भी कहा जाता है वैदिक युग की जनभाषा वैदिक भाषा के साहित्यिक रूप से मिलती जुलती थी। इसमें केवल इतना अंतर था जितना ब्रज के साहित्यिक रूप का ब्रज की बोली में; साहित्यिक भाषा में ऐसे शब्दों का समावेश होता है जो केवल एक बोली के न होकर अनेक बोलियों में समझे जा सकते हैं। लगभग 1000 ई. पूर्व के आसपास साहित्यिक वैदिक भाषा का विकास सहज सार्थक भाषा के रूप में हो रहा था। पुराणों की रचना इसी भाषा में हो रही थी। पागनी में 500-
400 ई. पूर्व प्राचीन भाषा के लिए व्याकरण द्वारा संस्कृत में परिनिरिष्टि स्वृप्र ग्रदाम किया जिसे लीकिक अथवा पाणिनीय संस्कृत कहा गया।

इसिंग क्रूरता पर संस्कृत नाटकों में महाकाव्य भाषा (450 ई. पूर्व) द्वारा निम्न तथा मध्यवर्ती पात्रों के लिए प्राकृतों का प्रयोग प्रारंभ हुआ और वैदिक समयकालीन यथा बुध्व के वक्तन में संग्रह के लिए नई साहित्यिक भाषा पालि का आविष्कार किया।

प्राकृत के समानान्तर एक और भाषा का जन्म साहित्य के क्षेत्र में हुआ जो अपमंशा नाम से जानी जाने लगी। यह आंशिक की बोल का स्वर्गीय उल्लेख भारत मुनि (300 ई.) ने अपने नाट्यशास्त्र में किया है। भारत के लगभग 400 वर्ष बाद आचार्य दशभीन ने अपने रूपांतरण का भाषा को अपमंशा नाम दिया। दशभीन (150 ई. पूर्व) ने अपने महामायास अपमंशा शब्द का प्रयोग किया है।

अपमंशा का विकास संस्कृत, प्राकृत और पालि के समानान्तर ही हुआ। महाभारत स्मरण (599 ई. पूर्व) तथा महाभारत बुध्व (563 ई. पूर्व से 487 ई. पूर्व) ने अपने धर्मों के उपदेश अपनी मातृभाषा में दिये उन्होंने तत्कालीन जनभाषा अर्थमागार्ह की अपनाया।

हिंदी कसी एक भाषा का नाम नहीं, अपितु अनेक बोलियों या भाषा समूह का नाम है। हिंदी शब्द का सम्बन्ध संस्कृत भाषा के सिंधु शब्द से जोडा जाता है। इरान की प्राचीन भाषा चिनाया या अभिव्यक्ता में स का ह हो जाता है। इसलिए सिंधु शब्द भी ‘हिंदु’ हो गया। इसी हिन्दु में इरानी का इक ग्राद्ध लगने से इन्डियन बन जिसका अर्थ है हिंदु का। इस प्रकार हिंदी फायरसी शब्द है और व्याकरण की दृष्टि से वह हिंदु के विश्लेषण है जिसका अर्थ है हिंदु का। इरानी जब भारत के सम्पर्क में आये तो उन्होंने सिंधु तटवां शब्द को हिंदी कहा। हिंदी का प्रयोग भाषा के अर्थ में अधिक होता है। हिंदी और उर्दू दिखाई में दो अलग भाषाएं हैं। हिंदु शब्द और व्याकरण की दृष्टि से एक है। हिंदी शब्द अपने विस्तृत अर्थ में हिंदी शब्द में बोली जाने वाली 17 बोलियों का ध्यान है। हिंदी साहित्य के इतिहास में पूरा उर्दू और दक्षिणी साहित्य का भी समावेश है। भाषा विज्ञान में प्रायः शिक्षाओं हिंदी और पूर्वी हिंदी को ही हिंदी मानते रहे है। इस प्रकार हिंदी साह बोलियों ब्रज, खड़ीबोली, बूढ़ीली, हरियाणवी, कन्नौजी, अवधी, बघेली, छत्तीसगढ़ी का सामूहिक नाम है। हिंदी वह भाषा है जो एक और अपने व्यापक अर्थ में भारत के सम्पूर्ण मध्यदेश की भाषा है जिसके अन्तर्गत अनेक बोलियों आती है।

हिंदी आज भारतीय गणतन्त्र की राष्ट्रभाषा है। इसका प्रयोग भारत के समस्त भूमि में होता है। हिंदी क्षेत्र का अभिमान उस क्षेत्र से है जहां इस भाषा मातृभाषा के रूप में स्वीकारी गई है और वहां के लोगों के दैनिक व्यवहार, बोलचाल, शिक्षा का माध्यम और सरकारी कार्यक्रम में काम आती है। हिंदी के अनेक नाम हैं जैसे हिंदवी, दक्षिणी हिंदी, रेखा या रेखी (रेखा से उर्दू विकसित हुई), उर्दू, हिंदुस्तानी और हिंदी।

हिंदी अपने व्यापक अर्थ में सम्पूर्ण मध्यदेश की भाषा है जो खड़ीबोली वहाँ की शिक्षा का माध्यम एवं राजकीय कार्यों की भाषा है। भारत में हिंदुई भाषाएं प्राचीन काल से अपने - अपने क्षेत्रों में बोली जा रही थी। हिंदुई वाद में समय-समय पर इसमें परिवर्तन होते गए मुसलमानों के आने पर फारसी भाषा का प्रभाव राजा पर होने लगा फिर भी हिंदुई भाषाएं साहित्यिक अपमंशा भाषा ही प्रचलित रही। इस प्रकार आर्य भाषाओं का विकास हुआ।
ख्वाब

है रात आज ये ख्वाबों की,
कुछ बातों की, कुछ यादों की,
क्या ख्वाब ये सारे होंगे सच,
क्या जानू मैं जाने कुदरत,
कुछ वस्तु बाद सब धम जाएगा,
उन आँखों पर कोहरा छाएगा,

साँस तुम्हारी रुक जाएगी,
आग तुम्हारी बुझ जाएगी,
रहेगा कुछ तो सिर्फ एक चाहत,
मुलगती है जो असंतों पर
जैसे मौत के दिन तिरा बनकर
समाधान की जलती लाशों पर
tab,
उस चाहत में ख्वाब ही होंगे
देखकर तुम जो अब जगकर
फिर बाद तुसे ये रात आएगी
और ख्वाब तुम्हारे होंगे सच

राष्ट्रीय रक्षा अकादमी

मेरी प्यारी राष्ट्रीय रक्षा अकादमी
जिसमें रहते हैं सभी ऐसे आदमी
जो देते हैं प्यारे भारतवर्ष को सलामी
मेरी प्यारी राष्ट्रीय रक्षा अकादमी।।1।।

थल सेना, नौसेना, वायुसेना
इन सेनाओं का तीन वर्षों में
पाते हैं पूर्ण प्रशिक्षण नौजवान
मेरी प्यारी राष्ट्रीय रक्षा अकादमी।।2।।

दीक्षातं समारोह का दृश्य देखकर
जब लहारा है तिरंगा प्यारा
देख उत्तीर्ण केंद्रों की फूला नहीं समाटा
ध्वज अकादमी का नया।।3।।

राष्ट्रीय रक्षा अकादमी में इतना सुंदर
आग और हरियाली का है बातावरण
मानो लगता है कि ईश्वर ने इतनको
फहना दिया हो स्वर्गीय आवरण।।4।।

सभी अकादमी के नौजवानों का है पहला कर्म
सेवा परमो धर्मसं, सेवा परमो धर्मसं
देख इस पृथ्वी धर्म के कर्म की भावना को
होता है भारतमाता को गुमान
मेरी प्यारी राष्ट्रीय रक्षा अकादमी।।5।।
मन

मन तुम्हारा अगर राधिका बन सके,
मन मेरा भी तो घनश्याम बन जायेगा।।

मन तुम्हारा अगर राधिका बन सके,
तुम सुर बनो, साज बन जाओं में।
तुम रंगोली बनो, रंग बन जाओंमें,
तुम दीवाली तो मैं भी, जरूर दीप साँ,
तुम तपस्या तो बैगानी बन जाओं में।

मन तुम्हारा अगर राधिका बन सके,
में मना लूंगा तुम रूढ कर देख तो लो,
थाम लूंगा तुम्हें छूट कर देख तो,
हूं मैं नादान मगर इतना नहीं,
जोड़ लूंगा तुम्हें दूर कर देख लो।

मन तुम्हारा अगर राधिका बन सके।

सवालात

दिल खुश है कभी,
ते कभी गम में डूब जाता है,
दिल तो दिल है, यारों
बस जुँझात बदलते रहते हैं
सर आँखों ये बिठाती है,
कभी खाक कर देती है,
दुनिया ऐसी ही है प्यारे,
बस अपने हालात बदलते रहते हैं।

कभी सब के साथ, कभी गमजदा,
कभी आपने में कभी अपने में,
कभी सोच है, कहीं भी पहुंच जाती है।
बस खुशालत बदलते रहते हैं।

कभी सब बेवफा, कभी बेहया,
कभी रुखाई, कभी हरजाई,
नाम कुछ भी कहो, एक है,
बस, इत्जामात बदलते रहते हैं।

नई सोच को पहनाते हैं,
पुरानी समस्यों की जंगरिया,
समाज ऐसा ही है, दोस्तों
बस ठोंड बदलते रहते हैं।

क्या जुँझात, क्या हालात,
क्या रसों, क्या खुशालत
किसे पूछें, कौन जवाब दे
यहाँ तो पल-पल में सवालात बदलते रहते हैं।
आज भारत मर रहा है।

अकबर रावत
24285/ओ/१२६

आज भारत मर रहा है, बादलों से घिर रहा है
उन्नति के पथ पर बढ़ता, गरीबी से फिर क्यों लड़ता?
प्रगति का करते प्रचार, फिर भी पैला ब्रह्मचार
यह हमारे नेता प्रधान, करने निकले समाधान
पूछो इनसे, क्या यह है सच्चे? बिलखते फिर क्यों हैं बच्चे?
वे बिलखते भूख से हैं, क्यों गए वे सूखे से हैं?
यह हमारी हार ही है, गरीबी की मार ही है।
आज भारत मर रहा है, बादलों से घिर रहा है।

इमारतें हैं गगनचुंबी, अमीरों के पर बढ़े हैं
भुखमरी से मरते यह इंसान, अपने हक को क्यो लड़े हैं?
उधर तो छाया उजाला, जिद्दी लगती आसान,
३०% के बोझ से हैं दबता, फौसी चढ़ता है किसान।
आज भी इस देश में है, गरीबों को रोटी की आस
पर उन्होंने रख चुके हैं, अमीरों की है यह व्यास।
अपने भाषण से थामाते, वे उन्हें है झुठा संबंत,
और चिढ़ते दिसंबर में, चीनते उन्हें से कंबल।
उन्हें है गुमराह करते, नेताओं के लामे भाषण
जगाकर लाखों उम्मीदें, वे तो करते उनका शोषण।
उन्हें मतलब वोट से है, वे तो बिकते नोट से है।
यही तो है हमारा भारत, बिश्व का दुलारा भारत।
चाहिए हमें कि अब हम, रोके पैला ब्रह्मचार
हो न कोई देश में अब, भूखा, नंगा और लाचार।
राष्ट्रीय रक्षा अकादमी का आदर्श वाक्य

सेवा परमो धर्मः

मुणि के पश्चिम की ओर का एक पहाड़ी क्षेत्र है, जो सहायक फ़्लृंब्लर से धीर हुआ है और जिसके जंगल ऐतिहासिक दुर्ग-सिहाग के साथ में फैले हुए हैं। पुणे की ओर प्रवाहित मुणि नदी इसी क्षेत्र से गुजरती है। यहाँ नदी पर बांध बना कर उसके प्रवाह को रोक लिया गया है और उसे खड़कवासला जील में परिवर्तित कर दिया गया है। यह जील, जहाँ एक ओर, पुणे की जीवनधारा है, वहाँ, दूसरी ओर, नीलेश्वर प्रशिक्षण का प्रमुख आधार है।

खड़कवासला छतरपीठ शिवाली की कर्मभूमि रहा है। उनकी सेवा को मोहिले यहाँ शरण लेकर शृंग पर आक्रमण करते थे। यहाँ की चट्टानों के बक्स पर, पाषाणों की पीठ पर वीर शिवा के शौर्य के रूप में लिखे गए हैं। खड़कवासला का अर्थ ही है - जहाँ पाण्डर्व बसते हैं।

बीरता के इस प्रांगण में मुड़ा नदी और जील के इस पार, उत्तर की ओर अवस्थित है भारतीय सेना का गौरवशाली संस्थान - राष्ट्रीय रक्षा अकादमी, जिसने खड़कवासला की विश्व के सेना मानचित्र पर स्थापित कर दिया, जहाँ सेना के तीनों अंगों का संयुक्त प्रशिक्षण उन होनार कैडेट्स को दिया जाता है, जो आगे चलकर सेवाधिकारी बनते हैं और सेना की कमान सभालते हैं तथा आपातकाल में राष्ट्र का योगक्षेत्र बनने करते हैं। सेवा का उच्चतम आदर्श प्रस्तुत करते हैं ये वीर।

नेतृत्व की नर्मी है यह संस्थान। कमांड की पौधालता है यह अकादमी। यहाँ सिंह-गरुड़-तिमिरगिल (महामंत्र) के यशस्वी शाखाओं में रक्षा और आक्रमण के गुर चिन्ता रखते हैं। उनके होलसे गणना-गिरी होते हैं।

सेवा की ही दृष्टि नाम शैल्य है। सौम्यी ही सहस्व उपचार सेवा-शिक्षा विभाग बनता है। उत्तरहु भी दुर्भिक, क्षण, लुण्ठित-कुमिक, निस्तेज, अनुप्राणण व्यक्ति महान सेवाएँ कर ही नहीं सकता।

द्वारा मुड़े और महाभारत के महानायक अरुण के अंतिम चरण में न अपना तेज दिखा सके, न अपना प्रताप।

गुणावलोकन ज्ञान ने, महाभारत करने के पहले, अपने सब अरुण के पास सदन्ध मिलती थी कि वे द्वारा को समय से पहले खाली कर दे तथा शोषित समस्त, वालों और व्यापारिकों को अपने सुरक्षाक्रम में रखकर द्वारा से सत्तासी के।

साधन साधन हुआ है तभी सकता न गांडी उठ पाया, न प्रत्यर्था चढ़ सकती, न धनुष कार हुआ, न धनुष पर जान अरोपित हुआ।

गुणावलोकन, क्षमस्व माम। अब वह अरुण नहीं। तुम्हारे महाभारत के साथ ही अरुण का अरुणत्व भी चला गया। वह द्वारे बंध ने कुलकूलों की रक्षा नहीं कर सका। वह द्वारा दर्शन भी बनी रही।

वीरता एक भाव है, जो अनेक रूपों में प्रकट होकर अपनी महिमा दिखाता है।

अग्नि समय सत्यम का एक राजा सत्य की प्रतिष्ठा के लिए, डोम के यहाँ चाकू करते हुए, श्रमशान भूमि में धारा देते हुए, अपनी पत्नी शैल्या से कंपन - क्षेत्रीय भाषा है और उसके बाद ही अपने पुत्र रोहितश्चाप श्री के चित्रोपक्रम की अनुमात प्रदान
करता है, उसी समय वह यह राजा हिंसारूद्वं के सत्यहिंसारूद्वं हो जाता है। सत्यवीर का अप्रतिम उदाहरण।

समंदर पार तेजी का वीर मूर्तिने वह है और युगवनस्तर शोक में द्रूप हुआ संजीवनी ताने वाले सेवक की बेस्बी के प्रतीक्षा कर रहा है। और इधर आसुरी शक्तियाँ ने जीन शोक और पिछलों के पथहरा ही संस्थान कर दी है। जिस क्षण सेवक पहाड़ उखाड़ कर अपने बाहर हाथ के हवेती को आरोपित करता है और अपने स्वामी का स्मरण कर अवंत में कूद पड़ता है, उसी क्षण ब्रह्मांगी परम सेवा का अभितर हो जाता है।

विश्व कल्याण के लिए तेजीवन में आतंक फैलावें वृक्षारोप के संहर का आवश्यकता है। लेकिन वह महर्षि द्रीैष्चि की अस्थियाँ से बने अस्त्र से ही मारा जा सकता है। देवता के घुड़सवार और उनके निवेदन पर जिस मूलत में यह ऊपर प्रसन्नमुद्रा में समाधिस्थ होकर प्राणोत्सर्ग करता है, उसी मूलत में वह त्याग के प्रति तृप्ति बन जाता है। उन्हें की अस्थियाँ से बना बना और अस्त्र मारा गया।

जिस घड़ी हस्तियों का एक होना लाठी टकराकर दांड़ी-याजा के रास्ते पर, उस साम्राज्य को चुनौती से ही जीवन रेखा उसके के कोण पर खड़ा होता है जिसका मूर्ति कभी नहीं लुकता, उसी घड़ी यह भारतीय स्वाधीनता संघर्ष का महानायक और बीसवीं सदी का युगपुरुष हो जाता है।

भारतीय स्वतंत्रता के ये मिथक पुरुष और भारतीय इतिहास का यह चिन्ता-वे चारों दीर्घता के न्युनतंत्र उदाहरण हो गए है।

कोई भी राष्ट्र हर समय, हर जगह एक ही अर्थ में स्थित नहीं रहता। वह पैदा करती रहता है। यह देश, काल और पात्र के अनुसार ए-ए अर्थ की भूमिका में उत्तर आता है। नई भूमिका में आनवाले राष्ट्र के लिए राष्ट्रीय शासन में दिए गए अर्थ बेमानी हो जाते है। पुराने पड़ गए राष्ट्रीय को समेत रख दिए जाते है।

जिस प्रकार भारतीय युद्ध राष्ट्रीय राज्य अकादमी में प्रवेश पाते ही भारतीय सेवा का जागरूक्तमन नक्षत्र हो जाता है, उसी प्रकार इस सैनिक संघ से जुड़ते ही 'सेवा' राष्ट्रीय अधिकार अर्थ धारण कर लेता है। फिर सेवा मात्र सेवा नहीं रह जाती। उसमें त्याग की मैथवर्जना, समर्पण का सिखना, आत्मोत्सर्ग का शंखनाद प्रतिष्ठित होने लगता है। कालवैशाखी का प्रभुत्व उसमें उठ खड़ा होता है। अपने दिक्कत के पर खड़ा हो जाता है आदर्श।

देश की आन पर प्राण-विवर्जन कर देना, देश की सीमाओं की रक्षा में प्राण-पर खेल जाना, राष्ट्र को आपात स्थितियों से उदार लेना, राष्ट्र को निर्यात, मिश्चेक, भित्तु-भुक्त, अन्य - अर्थ बनाए रखना - सेवा के ही उच्चतम आदर्श है।

शकुन बाहिनी के परखच्चे उड़ा देना, द्रुसाहसी अभिनंदन की बाहिनी का उखाड़ कर, नचाहे एक अर्थ के गर्द में फेंक देना, संस्कृत की घड़ी में सहसा मुहब्ब हो जाना, भुतिकोट के मूलत में महाप्राण उद्दार्थकर हो जाना-परम सेवा, प्रम धर्म है।

जिसकी चित्तवृत्तियाँ वैश्विक के नृत की परिक्रमा नहीं करती, जिसका 'स्वयं' देशभक्ति में रूपांतरित हो गया है, जिसका अपना हित राष्ट्र-हित में परिवर्तित हो गया है, जिसका अन्य स्वरूप-स्वरूप रहा है, जिसका स्वरूप बीती है।

इस महात्मा पर दो लोग यह ऐसे हैं, जो सूर्यमण्डल को भेदकर पार निकल जाते हैं। एक, अनावल-निस्पृह-मंगलमूर्ति योगी। दूसरा, रण में सामने लड़कर हत हुआ बीती।

द्राक्षिमी पुरुषों लोके सूर्यमंडलमेधिनी।
परिभ्राक्ष योगसुक्तकर रण में चापितुख खत:!
युत्र के नाम

डॉ. अविनाश उपाध्याय
प्रवक्ता विदेशी भाषा विभाग

माँ को गले लगाते हो, कुछ पल मेरे भी पास रहो।
पापा तुम यदि बहुत आते हो, कुछ ऐसा भी मुझसे कहो।
मैं भी मन में जज्बावों के तूफान समेत हैं,
जाँहि नहीं किया तो क्या, न सोचो कि मेरे दिल में प्यार नहीं।
वही मेरी सो निमोदरा पर में कोई मायूस न हो।
मैं सारी तकलीफ़ों झेलूँ और तुम सब महफूज़ रहो।
सारी खुशियाँ तुम्हें दे सकूँ, इस कोशिश में लगा रहा।
मेरे बचपन में भी जो कमियाँ, वो तुमको महसूस न हो।

है समाज का नियम भी ऐसा पिता सदा गद्दीर ही,
मन में भाव छुपे हो लाखों, आँखों से न नीर बहे।
करे बात भी रुखी-सुखी, बोले बस बोल हिदायत के,
दिल में प्यार है माँ जैसा ही, किन्तु अलग-अलग तस्वीर रहे।

भूली नहीं मुझे है याद अब तक तुलनाती मीठी बोली,
पल पल बढ़ते हर पल में, जो यादों की मिश्र घोली।
कन्हियों पे वो बैठ के जलता रावण देख के खुश होना,
होली और दीवाली पर तुम बच्चों की अल्लाह टोली।
मैं से हाथ खच छोड़ता, मुझको देख सहम जाना,
और जो डालूं जरा कभी तो भाव नयन में थम जाना,
बढ़ते कदम लड़कपन को कुछ मेरे मन की आसंका,
पर बिंगाबस तुम्हारा देख मन का डर बहम जाना।
कॉलेज के अतिम उत्सव में मेरा शामिल न हो पाना,
टेन हुई आँखों से आँखों, पर हाथ देर तक फहराना,
दूर गये तुम अब, तो इन यादों से दिल बहलाता हूँ,
तारीखों ही देखता हूँ नस, कब होगा अब पर आना।
अब के जब तुम घर आओगे, यहाँ मेरा दिखाऊँगा,
आकर फिर तुम चले गये, बस बात बहीं दो चार हुई,
पिता का पद कुछ ऐसा ही है फिर खुद को समझाऊँगा।
ADM Branch

Training Branch
Photo Gallery

Allied Units

No. 1 Battalion
No. 2 Battalion

No. 3 Battalion
Photo Gallery

No. 4 Battalion

No. 5 Battalion
Army Training Team

Naval Training Team
Who's Who
123 Course
32985 CDT Abhimanyu Dogra (A): This Himachali was always seen with his pals only.

33054 CDT Gawa Jamtsho (A): This Bhuti's only interest of area was DRILL SQUARE...a good cool minded basketballer.

33106 DCC Tushar Singh (A): A sincere SOSA worked dedicatedly and sincerely...very senti about course matters.

33139 CDT Yendenbaram Bronson Meitei (A): This "Broni" Manipuri -RIMCO took out sweat while speaking Hindi and it really took the squadron great efforts to classify him from the foreign cadets.

33168 CQMS Abhay Pratap Singh (A): Negotiator of his course....bikes and milk replaced his 6th term after he was made CQMS.

33177 SCC Rohit Yadav (A): Alpha's drill com was his effort....but his words never made anyone's ears...only his fumbling voice did.

33204 CDT Jatin Bhatia (AF): Software engineer of the squadron... Whenever a mutiny used to occur, Bhatia would rush to the scene to add more fuel to the fire.

33241 CDT Nitish Kumar (A): This Bihari was seen active wasting time of juniors...was known for his good endurance during night.

33266 CDT Jagpal Sinh M.Hada (AF): This flyboy Guju was seen very active in PT of squadron...a good and kind senior who guided the juniors well...

33269 CSM Damuluri Kalyan (N): A simple and sensible mariner who always saw squadron above everything...even foreign cadets managed to learn Hindi from him.

33275 CDT Praveen Mishra (A): Thanks to Praveen's efforts, the squadron's big time Public Speaking trauma came to an end. 'Man Missing' posters used to be put up since this SHOOTER used to go silently for his shooting.

33311 DCC Panshul Gupta (A): 'Angel' among the demons. Small in size, big at heart, honest to the core.

33451 CDT Sunil Kumar Yadav (A): Well known for his participation in the least important matters...proud of his 6th term. Never senti on anything.

33459 DCC Harvinder Singh (A): A short-tempered Khalsa who couldn't stay awake till 2330 hours and during dance... took keen interest in orders passed to him.
32956 CDT Ujwal Dwivedi (A): This ever smiling Pahari was a good hearted person and was one of the most approachable seniors.

CDT Neeraj Sharma (A): This massive figure stayed behind in X-Country, but was exceptionally well in services. Always behind 4th termers though.

33068 CDT K Pednekar (N): This sailor was vaulting captain of the sqn, was always found in peacock bay.

33070 CDT Rahul Shukla (N): Shaming box of the sqn, believed in bare minimum put in but luck always favored him.

33193 CDT Y Vijay (A): This non interested white tiger was a good runner. Lost his DCC tabs without wearing them.

33217 SCC R Hiremath (A): This Chotu Ajeet was an all-rounder and was motivating factor of the sqn. Was always in search of ITC.

33232 CDT NP Kumar (AF): This humble Mallu flyboy was good at basketball and drill but X-Country was his waterloo.

33235 CDT DK Mishra (A): This mini ‘bhand’ always encounter funny incidents in life and was always in search of juniors to give them advice.

33261 CQMS KIS Guraya (A): This ace golfer was good at every sport. Expected battalion appt but landed up as cq. His tea room empire was raided every night.

33279 CDT T Deka (A): This huge Rimcolian was an ever jolly person. His body resembled his name. He was the KIRTI electronics of the sqn.

33320 CDT Kuldeep Singh (A): This silent performer was a jovial person and was good at PT.

33352 DCC Sandeep Negi (AF): This top floor DCC tried to be psycho but always received SPHERES...he was always lost in his own world which no one could ever make out.

33361 CDT Prateek Raj mongoonkar (A): This motivated gentleman was the best example of PT in-charge. he was always full of josh and always put in type.

33369 DCC P Srivastav (N): This Nevio DCC was good at sports, drill and X-Country but academics was his waterloo.

33398 CSM A Choudhary (A): This Jat CSM was always in high temper and josh. Juniors were always afraid of him because motivation was not his style.

33424 CDT K Singh (A): This amazing Khalsa was unpredictable and was favorite of sqn office. With his UNDERTAKER looks he was bit scary at nights.

33457 DCC Tufail Ahmad (A): This DCC was exceptional in map reading and organizing things. He was a creative person and a good senior.

33470 CDT Ashu Anand (A): This PTO of Sqn was never satisfied and wanted juniors to do PT 30 hours a day. He owned a library of old question papers.
32889 CDT NIRJHAR AGARWAL (A): Was popularly called 'Panda' though was nowhere even near 'cute'. Was very creative and good in arts. COP in astronomy, but rope was his waterloo. Loved sketching in all events free time.

33166 DCC SAURABH YADAV (A): This Jat buddhi from Hisar was good in basketball and X-Country was popularly called 'Jhappu' because of his habit of blinking eyes while speaking.

33242 BCA AKSHAT JOSHI (A): Most performer-type of his course, passed out as double-blazer (in both X-Country and tennis). Highly motivated and was good in every field. Participated in all events with full josh.

33245 DCC VISHNU R KRISHNAN (A): This Mallu from Sainik School Kazakkattam was good in hockey and part of Academy Team Cricket. Always had a smile on his face, no matter what his sinister intentions were.

33258 CDT HIMANSHU KARAN (A): Most silent and soft spoken in his course. Lived in his own dreams, never seen never heard in his entire academy stay. Used to practice salutes in the bathroom mirrors. Did 'dhawa' without making any noise.

33273 CQMS SIDDHARTH KARNATAK (A): This Ghorakhali was very OG and particular about 'correct military bearing'. Was good in academics and was captain of Academy Team Cricket. His coursemates appropriately nicknamed him 'Bheem'.

33289 CDT RAVISH ABRAR (N): This public speaking captain was never seen never heard. Like a true nevla, loved his cabin more than anything and stood for 'My cabin, My life.' Mimicry master of his course.

33308 SCC PRASHANT RATHI (A): This Jat was CSM's Flag Corporate pair. Very particular about turnout of all juniors. Called 'Tilli' by his coursemates. Good at cracking jokes. Couldn't go on liberty in 6th term till mid term break.

33358 CDT DHRUV SHARMA (N): The other nevla of his course, was a second generation Cheetah. Excellent tennis player, earned a half blue spent his entire sixth term on the phone. Was called 'ikki' by his coursemates for his actions.

33370 DCC VARUN GAUTI (A): This power PT stud had an experience of everything that the academy can offer. Loved to hang around with juniors and crack poor jokes. Was good in boxing though his size suggested otherwise. Called 'chetu' by his coursemates.

33419 CDT AGHA MOHAMMAD (A): This Afghani was a stud in PT. Called 'budha' by his coursemates. Liked talking to juniors in sqaq and participated in all sqaq events.

33441 CSM MAHENDRA SINGH NEGI (A): The 'chatki' of his course. Was very put in type. An allrounder. Always kept on thinking about improving squadron's performance and urged everyone to do the same. Spoke first and thought about what he spoke later.

33452 CDT NITIN NEMANI (AF): Lone Air Force cadet of his course. Put in a lot of hard work especially in PT and to resolve his weight issues, which sadly remained same throughout his academy stay. Good natured and very approachable for all juniors.

33465 CDT JAYENDRA SINGH PARMAR (A): This bunking in-charge was the most appropriate for this job. Worked a lot for the camps. Had a unique way of standing on one leg and carried the same expression on his face.
32847 CDT K Anand (AF): Not seen outside his cabin. Not interested type Ghorakhal. Maths was always a big concern. Good in PT and running.

32978 CDT MS Mugalkhod (A): The ITC man of his course... For him BPET is always an event.

33012 CDT M Sharma (A): Not interested senior, found always in the hockey fields, favourite among his course-mates. A happy go lucky man.

33053 SCC Kuenga (A): Bhuti SCC, ex Flag-Corporal and COP drill. A happy go lucky guy who was a boxing medallist.

33186 CDT S Chauhan (N): Most decent and understanding PT stud...indeed a rare combination.

33214 CDT P Kumar (A): PT stud, could have passed VI term PT tests in I term...very senti about bikes.

33216 DCC N Kataria (A): This Chandigarhi DCC is known for producing amazing ML's in order of fallin. Highly interested in understudy course.

33221 DCC J Gandhi (A): PT stud, jack of all games, self disciplined, extremely dangerous when gets interested.

33253 CDT UPS Dahiya (A): Biggest psycho, has maximum terror amongst juniors.

33297 CDT S Bhatia (N): Very lively person interested in sqn activities basketball, swimming & public speaking are his life. Always keeps the sqn in jolly mood.

33302 BCC D Kandpal (AF): Most put-in type, plays every game. Has very high spirits for sqn even when cheering. X-Country and camp maniac.

33309 CDT S Sharan (A): Yanko, Bihar and public speaker(strange combination though). Was punishment in-charge during VI term, so was not seen during punishments.

33342 CDT AKS Rana (A): Shortest but most energetic chap.

33347 CDT PS Garkar (A): Very big OG, marks even his alarm clock, hardly smiles. Big stud in PT & know as 'vaastad' in course.

33365 CDT K Singh (A): Only Khalsa in the course, very hardworking and has a good sense of humour.

33377 CDT T Bhong (A): OG Tant, amazing map reader who knows routes by fingertips and sure knows how to improve somebody in PT.

33407 CSM A Siwach (A): This performer Rimcolian was an ace squash and basketball player.

33436 CDT A Mukherjee (A): This Bengali was not interested type from his IV – VI term. Had a special interest in his understudy during his III term

33438 CQMS A Magoo (A): This Cheeku-MS never thought he would become an appointment. Good in X-Country and PT.

33449 DCC S Joseph (A): A Maggi lover, rarely seen in sqn except for basketball.
32818 CDT M KUMAR (N): This nevla was easy going and never interfeared in others matters. Juniors will miss his caring nature.

33133 CDT T K SINGH (A): This Imphali was the football captain of the sqn. He was never seen before and after the football matches.

33150 DCC SHIVANAND (N): This Bijapuri was a good sportsperson only PT stud who could do a demo type I class rope.

33167 DCC C M VERMA (A): Popularly known as 'chandu' nobody ever saw this Ghorakhalawat smiling. Academics captain of the sqn and a good X-Country runner.

33176 CSM A JOSHI (A): This terror type CSM was famous for his cunning smile and his pet dog which could do wonders. A stud in PT, he was a good X-Country runner.

33199 CDT S MANGOTRA (A): Known as 'mangu', this lean Aravalian was a good X-Country runner. He was camp captain; 'Dhyanchand of Sqn' was a part of Academy Team Hockey.

33206 CQMS T V KRISHNA (AF): This short-heighted cheeku flyboy was an avid basketball player his cabin used to be full of cosmetics.

33243 CDT A MANN (N): This Jat navla was a nightmare for his juniors. Senti about milk packets and PT of sqn especially of his div kids.

33252 CDT M ZOKARKAR (AF): This Indorian flyboy was COP in drill, basket ball captain of the sqn, and black belt in karate.

33265 BCC B SHAKYA (A): He was an excellent all rounder and X-Country captain of the sqn, 4 star torchee, josh type boxer liked by all.

33274 DCC M VASHISHTH (A): This guy's English could put Rushdie to shame. This put in type DCC was the public speaking captain of the sqn.

33307 CDT D GAUTAM (AF): PT captain of sqn, lived life in full 'tashan' at NDA and was stud in power PT.

33372 SCC A R VIVEK (A): This gentleman Amravian was the motivation box for the sqn. His never back down attitude made him excel in every field. He always lifted up the josh by leading from the front.

33473 CDT S K GOUDA (A): This Oriya speedster was a good X-Country runner. His div kids loved him as much as they feared him.

33418 CDT A FAISAL (A): This Afghani was good at football and volleyball. Seen rarely inside the sqn but his MLs in Hindi were quite refreshing.

33420 CDT M MAROOF (A): This Afghani was a stud in PT and a discipline star of sqn. He was very spirited for the sqn.
33425 CDT A RAJPURUHIT (A): Blazer in Riding & Polo, an extremely talented rider and a true gentleman at heart. He is the living avatar of ‘Prince on the white horse’ fantasy.

33284 CDT R CHAUDHARY (A): This ever smiling Sujorian was an easy-going guy who was always busy with himself and found always in his cabin. One of the prominent member of Chimney Gang.

32838 CQMS N THAKUR (A): This Lover boy was madly in love throughout his NDA stay. A torchy and a brilliant map reader. A terror for 4th termers, especially his TTT- Thakur Training Team. His “CLEAR” would always be remembered. He fed the sqn well.

33263 CDT P BISHT (A): This NAWAB had a smile on his face always but all juniors always knew about the hidden terror behind his smile. A complete psycho.

33318 CDT R THAPA (AF): This Nepali Cheeku Fly-Boy was the ‘baby’ of “HELL” flak. Good in P.T. and X-Country... Nightmare for juniors.

33448 CSM B SINGH (A): A handsome Punjabi-pongo. Good at P.T. and X-Country. He was senti about P.T. and was a cool, gentle and sober CSM......Who tried hard to create terror among juniors......but failed miserably.

33182 DCC S. S. KAHLON (A): This Pongo Khalsa won everybody’s heart with his smile. He loved all his course-mates and juniors......was a potential Academy team BASKETBALL.

33374 DCC H CHANDEL (AF): This Sujorian DCC was the most chill-type in sqn. Gained higher degree of NIRVANA when he joined AFTT and started flying. A potential Academy Team Football and Handball.

33343 CDT SS SINGH (A): This slim and trim running machine was the most interested member of HELL Flank. Good in P.T. and X-Country was feared by juniors.

33380 DCC B SINGH (A): This josh type Khalsa DCC was very senti about his flank bathroom. Good in P.T. and academics, but was always feared by his division.

33250 SCC SP KADU (A): The Tant-Rimcolian aka “Mote” by his course-mates was the josh booster of the sqn, was good in swimming and academics torchy. And not much interested in listening arguments from juniors.

33450 CDT VV GADRE (N): A devoted Tant Camp IC who took interest only in IIInd and IVth termers. He was awarded Nobel Peace Prize by his juniors. Dark horse in hockey team.

33270 CDT WE SINGH (A): This pongo-Chinky was famous for his chicken-rice socials. A little Psychopath for his understudy course, was good in P.T. And led his sqn equally well in football.

33207 BCA AS MOR (A): This tall muscular Jat was most interested in sqn through VI termers. Captain of volleyball team and a good strategist. The whole sqn feared his ML’s on “JOSH” and “HARD-WORK”, OSHO of the sqn.

33085 CDT TP PANDEY (N): This silent Tilaiyan was too hard to face especially when he is senti. Good at heart and always clear about his priorities.

33350 CDT S NANDA (A): This Bhopali P.T. IC was a terror for IVth and Vth termers. Everyone wondered if he really talked to his parents everyday for hours or someone special. Stud in P.T. But a true PSYCHOlogist.

33202 CDT P WANJILO (AF): This josh type volleyball player was never seen by his juniors. More interested in SINGARHS than sqn... too good to be made friends by all.

33406 CDT SHIKHAR DEEP (A): This ‘Most-Maula’ always wanted to be in his own world. He was the leader of Chimney Gang and was full of josh. Favourite of his juniors. Born stud in P.T.

32492 CDT V SANWAL (A): This pongo was a good public speaker, ran twice as fast with a big pack on his back. Restrictions and ground floor phone were his best friends. Believed and practiced leading by example.
33395 CDT BHARAT JOSHI (A): This COP Drill and merit card in singing was found behind the lock. X-Country was his waterloo. His dream of Indian Idol still remains.

33301 CDT D P REDDY (N): This nevra was non-interested and never spoke much. His cabin was venue for social for his school types every Sunday. He was good at vaulting despite his short height.

33411-KZ G CDT ARMAN (A): Famous for his understandable songs and being black hole. He was good at PT and X-country.

32955 CDT ADHIRAJ SINGH UJJWAL (AF): Popularly called ‘Dada’, was the captain of Academy team Golf. Good at X-Country and services. He regularly turned top floor bathroom to chimney.

32660 CDT G S REDDY (A): The grand old man of the Sqn was the chilliest senior ever.

33219 CDT SHERIN RAJ (A): He was interested only in selected juniors and took public speaking quite seriously. X-Country was his Waterloo.

33330 CDT ADITYA SHEKHAR (AF): This ‘medium pacer’ kept Sqn on its toe for Academics. Well known for his long ML’s, he was the driving force behind public speaking.

33410-KZ G CDT BAGLAN DARKHAN (A): This Kazakhi could never get his hands off the guitar. He was the actual ChiQ of the Sqn. He was the periphery king and the boxing captain.

33247 DCC A D PATIL (A): This Nevla playboy was spotted with more girlfriends than his Div kids. He was COP ML’s & Merit Card Checking. He was good in X-country, PT and games.

32959 CDT RITESH KUMAR (A): He vanished in his VI term. His flank 3rd termers had a tough time trying to wake him up in time for ODT’s. He was good in PT and Services.

33298 G CDT D KAUSHAL (A): He truly owns the title of “Never Seen Never Heard”; generally unaware of Sqn activities and greatly aware of his best friend the “Thin Client”.

33353 DCC MURUKESH MV (A): Famous for breaking locks of tea room. CQ flank was his preferred hunting ground for eats. Nearly “Hulk” was good in PT and Athletics.

33328 DCC P JAYAPRAKASH (AF): The only fluent hindi speaking Mallu ever known, was deadly with hockey stick. Achievement- got his AFTT instructors right up to his cabin.

33456 CDT V YADAV (A): This pango never made it back in 'dry' condition from Services. He became the “night stalker” in search of maggie and rasna.

32793 CDT A REBELLO (AF): Rarely spotted by juniors, this flyboy taught AF subjects to his flank 3rd termers. X-Country was his “Achilles’ Heal”.

33267 CQMS ABHIMANYU RAI (AF): This “chikoo” CQ was famous for his one-liners in order fall-in. His pointer was inversely proportional to his height. He was good in everything but service subjects.

33426 CSM R K UPRETI (A): This specko could kill you with his dirty looks. He turned order fall-ins into Paathshaala of army subjects for 3rd termers. He was good at X-country and took admirable interest in Sqn activities with his broken shoulder.

33264 SCC SK SAHOOD (A): This chotu Rimcollian was a gentleman to the core and his counts began from 200-200 rather than 20-20. A gifted footballer, he was good at PT & Services.

33339 CDT N SHARMA (A): A BMP (Bare Minimum Put-in) type cadet, excited in Sqn for tea, eats & phone. He was highly explosive during his junior terms.
33183 ACC YASH SAWALKAR (AF): This high OLQ 'chikku' whose ML's always kept his juniors motivated. Josh type X-country runner, excellent in basketball and public speaking. Remained a potential X-country medalist.

33208 CDT VAIBHAV BARTHWAL (A): This timid never seen never heard type Ghorakhali was jolly by nature but remained in his own world.

33228 CSM PRASAD KADAM (A): This terror type psycho 'cadet sorting machine' applied his Satara fundas everywhere. Was Josh type in all sn activities and kept his juniors motivated.

33240 SCC ANMOL SINGH (A): An excellent hockey player whose way of addressing the sn was unique. A merit card in Hindi. This Sujanian was a D-Day performer and remained a potential X-country medalist throughout.

33277 CQMS ARMAN ARUN (A): This Bihari Rimcollian had his own ways of sorting out juniors and seniors. This shooting medallist had made milk packets his only way of life.

33325 CDT LOKESH KUMAR (N): This nevala 'chikku' was always seen laughing in sn and ensuring study periods. This academics captain implemented new techniques to make the juniors study but failed everywhere.

33351 CDT B JOEL ANTHONY (AF): This peace loving flyboy guided the sn in public speaking. A very concerned person he always thought twice before calling a junior to report.

33367 DCC A BHATT (A): A terror type psycho DCC, he took interest in all sn activities. His 'never give up' attitude made his pointer increase 0.1 each term.

33376 CDT PRITISH LATKAR (A): This happy go lucky Taant always had a few PJs to share. A Josh type footballer who guided the sn to football replica. Juniors were afraid of his ML's.

33392 CDT HARI SHANKAR (N): A terror type nevala who had good knowledge of thin clients. Had any drill saab turned up in his cabin he would have become a IIIrd termer.

33423 CDT RUPAM SHIVRAN (AF): This Jat flyboy also the football captain guided the sn to glory. He believed in a royal evening bath, hence always getting his juniors late for study period.

33434 DCC S P SAGAR (AF): This chinki flyboy was a tennis medallist. Excellent in PT, merit card in tennis. He believed in 'jiyo aur jine do'.

33435 CDT NAVTEJ SINGH (A): This Turbanator was the most care free person who managed to crack a joke and bring a smile on everyone's face even in worst of situations. This Khalsa pongo required nothing but a milk packet to fulfill his appetite before a good night's sleep.

33437 CDT AKHIL BHASKAR (A): This swimming medallist had a very squeaky voice. His 'pet dialogue 'kyaua' earned him the pet name of 'kauva'. Spent his entire Vth term in ante room playing pool or watching TV.

33440 DCC ATIT KUMAR (A): This Bihari 'Salman Khan' had little problems with English. Guided the sn in X country. A very good person by heart.
32877 CDT N PALIA (A): This pongo was a josh type cadet in the sqn.

33040 CQMS J SINGH (A): This CQ was good at riding and remained busy in counting bikes and milk packets.

33083 CDT NK RAI (N): This bully Nevala was a very good footballer. He was kind, soft hearted and always remained cheerful.

32950 CDT TR JACOB (N): This Nevala was a very good golfer but remained busy with himself.

33188 DCC S CHANDRA (A): He was a good public speaker and a bhaand of his course. Due to absence of WLL in Sqn he used to spend his evenings in juice bar.

33200 DCC D HARI (A): This Saikorian was half-blue in hockey but more interested in milk packets than Sqn. Good in X-Country, seldom seen outside his cabin.

33244 BCC KK PATIL (A): This BCC was a X-Country medalist, a good boxer and ensured peace in Bn, but public speaking was his Waterloo.

33246 DCC AP ROY (AF): This handsome Mallu flyboy was most chill and not interested type. He loved to spend his holidays on gatings.

33315 CDT M TRIPATHI (AF): This flyboy was a good basketballer but was a bit short tempered.

33290 CDT G SIDDHARTH (N): This Nevala was "acting CSM" of Sqn, who used to put in all fields of training. A good X-Country runner whose MLs were never understood by his juniors.

33282 CDT A VERMA (A): This Himachali was the best bhaand of his course who did drama even while eating, sleeping, walking and was awarded Best Entertainer in the BN Variety Entertainment.

33344 CDT RS MAURYA (AF): This josh type flyboy was good at diving and was a PT stud, but his MLs were too disgusting.

33445 CDT S BARAK (A): This guy was a confused personality and was always kept away from ignition sources. A good volleyball player.

33388 SCC SK SHARMA (A): A valiant Sujanian, was in Academy team basketball and ensured that Sqn basketballers got ATT 'C'. A very soft spoken, highly motivating guy who always led by examples.

33293 CSM BK PATHAK (A): This Tilaiyan was good at drill, debating and taking muster reports. His orders were like lectures and demonstration classes.

33417 CDT NU HAQ (A): This Afgani cadet was the 'Periphery King' and ponga taker inside Sqn.

33082 DCC SUJAN CHATTERJEE (A):  Never believed in punishments. Had great thoughts about imbibing knowledge and importance of meals. Was the public speaking captain, this josh type boxer, football captain made his string reach 3rd position in the Academy.

32829 CDT CHANDAN KUMAR PANDEY (N):  This nevala, though weak in academics was good in X-Country and PT. Motivated juniors a lot. Had excellent knowledge in computers and networking.

33142 CQMSASHUTOSH SHANKAR (A):  This Tilloyan was COP in drill, raised drill standards of the sqn. Always had something about everything. His CQ skill were above par. Was a terror for the orderlies.

33169 CDT KUNAL KUMAR (A) COP in Bhinglish, Russian... torchie in his Vth term. Camp captain of IIInd termers. Believed in hardwork and keeping his juniors “happy”.

33201 DCC JITENDRA SINGH (A):  This golfer was a good public speaker. Was a gentleman and always took interest in the problems of juniors. Stud in PT.

33203 BCA N Y SHIPEKAR (N):  This Ajinkyam was terror among Academy Vth termers. This OG Nevala was COP in drill and a bit too senti about squad formation. Jack of all trades.

33226 CDT RAJAN SEERVI (A):  This Jaguar proved the saying, “Chota bacha samajhke hanse na takrana re”, was a josh type X-Country runner. PTT was his favourite place. Made PT failures pass with his motivations.

33257 CDT AMIT KUMAR (A):  Stud in PT. Had a mysterious smile, his motto was “Live and let live”. Was a good basketball player.

33276 CDT ANSHUMAN JOSHI (A):  This Rimcollian Pahari was a good public speaker, sharp shooter. Merit card in shooting.

33296 CDT SAHIL SHARMA (AF):  This SOSA always aimed at improving himself. Good bhand, always participated in sqn social. X-Country was his Waterloo.

33336 CDT ABHAY SINGH (AF):  This Nawab flyboy was a stud in PT. Always believed in motivating juniors. His place of interest - the periphery and MH.

33363 CDT JAGJIT SINGH (A):  This PT captain was a josh bomb in field. A superb defender and a true all rounder.

33382 CDT SONU SANGWAN (A):  This Jat was a good volleyball player. Good in academics and torchie in his I" term. X-Country was his Waterloo.

33389 SCC S SHYAM (A):  This ‘chinki’ Rimcollian was merit card in football, a josh type boxer and map reader. Was camp captain of IV termer. A true jaguar in everything he did.

33401 DCC A K DNAUNDDIYAL (A):  This Pahari was too much interested in his juniors. A good runner and was interested in every sqn activity. Was a potential torchie and a potential X-Country medalist since his first term.

33405 CDT SEEMANTA MITRA (A):  This Bong was good at horse- ETT & PTT. Stud in PT and good public speaker. Good in academics, was torchie in his first term.

33463 CSM DEVENDER YADAV (A):  This pongo was good in X-Country. Favourite for the Vth termers and terror for others. Motivated the sqn to do well under any circumstance.
33466 SCC S S GUSAIN (A): This chikoo Pahari was an eye catching SCC, good runner and put in type for all the events. Believed in leading by example.

33409 CSM S S PANI (A): Highly motivated CSM who always remained potential torchy since 1st term. Played every game at sqn level. "I'm Michael" was his tag line and was senti about every thing going in the sqn, considered D1 as his baby and was always focused on "basics".

33332 CQMS A S THAKUR (N): This soft spoken CQMS was "academics in charge" of the sqn, was good in PT and games, remained an enigma wrapped in a mystery....

33234 DCC A P SINGH (A): A cadet turned DCC had notes for all the points to be told to juniors.... this Aravolian was a "chill DCC".

33461 DCC NISHAL MISHRA(A): Standby CSM, was camp in-charge,enthusiastic about every event.......(in the Sqn)

33184 DCC VIKRANT JADHAV(AF): Dark and polished DCC was a block pearl of the sqn , this PT captain was always found behind the lock in his cabin. Josh machine of the sqn lead his string in all the game to finals.

33394 CDT SAIFUR REHMAN SK (A): This "Purulian non techie -super techie" was the "man behind machines", god knows where did he kept his machines, always a PT kela....

33234 CDT PARTH AGGARWAL (AF): This Delhite guided the sqn from MH, took good care of his health and kept on flying in his own world of dreams, was good public speaker.

33323 CDT ROHAN KUMAR (AF): This chill type Tilaiyan flyboy was drill-com in charge always followed the right means, was a josh-type goal keeper.

33468 CDT J S NARANG (A): This Kalsa was different from what Khalsas are known as...... remained ATP all 6 terms.

33295 CDT S M SHEWALE (A): Tant of Sqn distributing all kind of eatables to Cursemates, better known for "map reading", senti about academics.

33442 CDT MAHESH D GOLE (A): This tough pongoo was good at PT and excellent football player, casual by attitude and was ever immersed in his own flood of thoughts.

33379 CDT P S SHINDE (N): This never seen never heard Tant was good by heart but he always hated running, be it X-Country or BPET.

33378 CDT AJAY BOMBALE (A): This Ajinkyan always remained calm and composed, planned to be DCC by sqn office but passed as OC...... was stud in power PT.

33249 CDT SUNNY L FRANISIS (A): This Rimcolian was captain of swimming and was senti about OLQ's, always helpful and good at heart.

32797 CDT HARMANREET SINGH (AF): This senior citizen of the sqn was always found managing things, don’t know how he got saved from kit muster.....

33164 CDT K GHOSH (AF): Flyboy and ‘Coach Kabir’ in every event of the sqn.......managed to get pass in maths every term.....
33194 SCC S V JADHAV (A): This chikku SCC was the driving force of the Sqn. Good at academics & X-Country though drill remained his waterloo.

33237 Cdt A CHAUHAN (A): A good sportsman with a dashing personality. Found the CSM Band to be Too Heavy.

33304 Cdt A BISHT (N): PT stud, was the PT 'saab of sqn'. No matter whatever test you fail he believed 'Rope-Session' was answer to all. Good at services.

33431 Cdt V UPADHYAY (A): 'Bunka Master' of Sqn. A good chef, you could always make out different aroma's oozing out from his cabin.

33386 DCC AK SINGH (A): This yankoo DCC considered himself as the only appointment of the Academy, so he tried to perform all the duties including that of CPL's & SGT's. Good at Drill, was the Drill Saab of Sqn.

33218 DCC R KHADKA (A): OG to the core. Good at heart, believed that 'motivation works'. Good footballer & runner.

33391 Cdt G S CHAHAR (A): This Rimcollian was a 'Terror-Type SGT'. But he 'never' believed that 'Motivation Works'. Good map reader.


33268 Cdt L RAO (A): This chicken legged Aravalian was a good X-Country runner. A good bhand at stage and kind at heart.

33421 CQMS S S DHAR (A): This Gigantic Bong could find reason to be positive even in the worst situation. Had a smile as broad as his chest. Enthusiastic & a good singer.

33222 Cdt K HARSIT (AF): The Gulti flyboy who was always in search of numkin or Moggi packets. Kind at heart.

33255 Cdt AK SINGH (A): Pet named 'Lala', he played a very crucial role in the triumph of 4th termers in Rovers. Was their Camp Captain. A good map reader & liked end of term hikes more than home.

33439 CSM PAWAN KUMAR (A): This Robust Jat was a hardcore Milk Lover, landed up being the CSM of the Sqn. Kind courtesy his cousemates. His body language was more than sufficient to create terror among juniors. Performer everywhere.

33427 DCC A PAWAR (A): A great footballer. Highly motivated towards Sqn specially plaque. Was famous for his crazy dancing steps.

33333 Cdt R LOCHAN (AF): This Tilaiyan flyboy dreaming of being a chopper pilot. A good map-reader though academics remained his waterloo.

33327 Cdt G PANWAR (N): Cool boy of the course. Could manage a smile at every place. Good handballer. Pet named 'Narad'.

33453 Cdt A AMITABH (N): This Single star 'Torchy' was called 'Pull-through' & breeze could really blow him away. Dreamt of finding some good company at the Water Park at Lonavala, but Alass.

32583 Cdt V PRAKASH (AF): This flyboy was a 1st enclosure type. Good at services & peaceful at heart. Pet named 'Lights Out'.

33155 Cdt VALERA (A): Evident from his 'mis-adventures' His motto remained 'Live Life King Size'. This Kazakistani was a good basketballer, kind at heart and enjoyed time in his cabin.

32901 Cdt P SINGH (A): Periphery king who never liked X-Country even though the route remained common. Rarely seen or heard in sqn.

32932 Cdt A S DHILLON (AF): This Fragile Sikh entered into his cocoon after his regular interactions with the Sqn Office. Loved meditating and known as the 'Sadhu-Sant' of the sqn. Dreaming to be a 'Flying Sikh'
33029 CSM PK SINGH (A): This Georgian was known for his unorthodox style of living, always high with josh, successfully ran Sqn on motivation. Was the head of Chimney Corridor.

32843 CQMS KISLAY KANT (AF): This flyboy was always a bookworm. Studied in power PT but technical pt and BPET was his nightmare, had terrible time dealing with 4th termers.

32878 CDT ABHINAV ROY (AF): This bhaand Bihari was good in public speaking. Was a cheeku lover, always found humming in Sqn.

33233 CDT RAHUL THAKUR (AF): The cheeku flyboy was never seen never heard. This kind hearted Himachali was good at basketball.

33171 CDT G BEZBARUAH (A): Josh type chinki helped sqn to become football runners up. Spent Ist to 4th term in MH.

33254 SCC SC SINGH (A): This Academy Team football captain. Known for his raw josh and not so classy English, was always found deficient of T shirts.

33238 BCC A CHANDEL (A): This Sujanian was performer in every field. This ment card handballer was always seen helping his juniors.

33472 CDT SHASHANK SEMWAL (A): This Pahadi was an epitome of josh. His aggression struck fear in the minds of opponent in the field. Known to sort out his juniors very well.

33305 CDT SUNESH SUDAN (A): This Rimco was a kind hearted and a scaring person. He was known for his uninterested nature. A josh type sportsperson. Loved to charge on dinner.

33338 DCC PRAVEEN KUMAR (AF): The flyboy was famous as “Zulmi Jat” amongst the 2nd and 4th Termers. This Camp IC made sure camp is given utmost priority. A jack of all trade and the father to 4th termers.

33299 DCC SK PAL (A): This Nawab was a stud in PT. Became PT IC in his 6th term and made the whole sqn do PT. A josh type mustang.

33422 CDT ROHIT GEHLOT (A): This Aravallian was silent and shy in nature never seen or heard in sqn. Good in academics.

33413 CDT CHENCHO WANGDI (A): This Bhuti was a stud in PT, a josh type footballer. He was known for giving demo in ISt Class rope.

33316 CDT VIPIN (AF): This Jat was one of his own kind. Full of josh and stud in PT. Gave importance to academics and felt like hauling out whenever he opened his mouth even if he was calm.

33397 CDT PATRA (N): He was popular among juniors for his ears and MLs. Josh type basket-ball player.

33210 CDT DHHRUV SHARMA (AF): This diplomatic flyboy had a strange way of dealing with juniors. An ardent orator, Bn VE is surely gonna miss him..!

33403 DCC SAURABH YADAV (A): This josh type mustang was a stud in power PT and known for his sensible advices.

33181 CDT S M SRIRAM (N): This nevla was a terror in the academy as SGT but took “Sanyos” from everythin in sixth term. Was very senti for PT fallins.

22464 CDT RAHUL SHARMA (N): This SOSA was an ace Golfer but PT and BPET remained his Waterloo. He was very senti for eats.

33212 CDT MPS NIRWAN (N): This Araovalian nevla always shuttled between Mess and NTT. Never seen in SQN, periphery was his wandering ground.
33230 SCC KP SINGH (A): 'One Man Army' popularly known as "Put in Singh" took sqn to new heights with his "Jaaduri Notepad". He was good at hockey and famous for repeating same thing again and again.

33192 CSM PHADTARE (A): This Ajinkian was rarely seen or heard in sqn except on Sundays with his guests. He was a good hockey player.

33231 CQMS ANAND R (N): This Kazak was a good runner and a terror for his juniors. He passed out with blazer in “Failing IAs”.

33408 DCC NISHANT (AF): People said if he ran 5 km, he would be in MH and 10 km could have him land up at home. This malnourished DCC was the sick leave champion and was only seen during academics time.

33346 DCC AKSHIT (AF): This jovial Jammuite was the X-Country captain and always led the sqn from front. He was also famous for his "Thuddas" in football.

33132 DCC DORA (A): Most interested senior till his 5th term was never seen during his 6th term. He was good in X-Country and famous for giving MLs to his juniors.

33236 CDT A PURANI (A): A silent CQ/flank who was never seen outside his cabin. He was "Bomb" of his course. He was famous for his peculiar style of checking juniors.

33354 CDT A SENAPATI (A): The only 6th tomer who wished to be on the ground floor that too near the sqn office. This Oniya was always seen smiling and became a good basket player in his 6th term.

33278 CDT VS DANI (A): This Rimcollian was good at academics and swimming but PT was never his cup of tea.

32873 CDT N JHA (A): When people had doubts in WT, they wondered whether ask WT saab or our own 'Pa'. He was the Academics in-charge and also played good basketball.

33196 CDT KULKARNI (AF): This rarely seen Ajinkian was the Camp in-charge and was seen only on Sundays with his guests.

33260 CDT ANAND M (A): The second of the Mallu trio, he was often called the check master for his continuous checking. This happy go lucky Mallu became Periphery king in 6th term.

33341 CDT R DAS (A): This Bong was popularly known as "Bondo" and became Academy famous with his FB account and photos being flashed inside Habibullah Hall.

33383 CDT VISHNU VS (AF): The most silent of all Mallus. This footballer was a good senior and was always seen smiling.

33399 CDT JEFFERY ALEX (N): This Surma Bhopali became Jump Master in 4th term. He turned his cabin into a gym during 6th term.

33366 CDT K BHAKER (A): This Jaat was the Center half of 4th string football because of his size. He was always seen around the Ante Room.

33160 CDT S MALIK (A): This Ghorakhali was good at X-Country and football. Some way or the other he always landed up in the periphery.

32918 CDT A PATHAK (A): This Ghorakhali was always seen on the telephone table. He was always seen in sqn after Football Competition.

33335 CDT R KUMAR (A): 10 m Jump haunted him throughout his 4th term. He was not seen in sqn after Football Competition.

33344 CDT A PATHAK (A): A good motivator for his juniors though very less juniors knew of his existence in sqn.
32846 DCC O P SHUKLA (AF): This Nawab was known as epitome of ideal senior. He always believed in working constructively.

33172 CDT P Y KURI (A): This Bijapuri was excellent in PT, least interested in the sqn, famous for his unique sound.

33174 CDT N SRIVASTAV (A): This Upsarian was academics captain of the sqn, gave josh type lift outside sqn, terror among Vth termers.

33175 CDT A SHARMA (N): This newla was always senti about the military bearing of the sqn, checking juniors was his hobby, had a threatening voice like Sunny Deol.

33209 CDT S KATOCH (A): This Sujanian was interested in juniors, always remained happy, X-Country remained his waterloo.

33229 DCC S PANDE (AF): Chill type flyboy, exceptionally good at foot ball, was seen only in his cabin, never screwed juniors.

33259 CQMS A KUMAR (A): Never seen throughout the term, potential merit card, public speaking was his waterloo, golden finger of the course.

33286 CDT S GAUTAM (A): This DCC causality was soft spoken to every junior was a josh type map reader of the course, found sleeping most of the time.

33294 BCA V DUHOON (A): A josh type OG BCA, X-Country medallist, always busy with his books, could never compromise for milk packets.

33300 CDT PARAMVEER (A): A jolly, free-spirited josh type army cadet, good all rounder, cool in character, was very senti about morning tea.

33306 DCC D K MISHRA (N): This DCC was always feared for his never ending MLs and was always very senti about PT.

33312 CDT C SOOD (AF): This soft spoken chiku was always in his own world, a perfect map reader, was famous for his looks.

33334 SCC K S RANA (A): Being the SCC of the sqn, he was hardly seen in fall-ins. Good in PT, academics and excellent basketballer. This silent Pahadi is a factor for motivation among his juniors.

33348 CDT A RANA (A): This Himanchali was better known as the bhand of the sqn. He was famous for his stress busters.

33355 CDT A BHAGEL (AF): This flyboy is a good X - country runner. Academics was his waterloo.

33364 CDT M PANSURIYA (A): This Gujju was another chill type pongo in the sqn was good in disgusting juniors. COP in X - Country and bunking.

33402 CDT R DATTA (N): This yonko was the silent killer of his course and also a studd in PT. He was the 'poster boy' of his course.

33415 CDT U TASHI (A): A put in type bhuti was good at everything. A merit card in PT, basketballer, footballer. Found most of the time in 1st floor bathroom window.

33429 CDT N BARMAN (A): A josh type army cadet, passed half of his term on periphery, cop in drill as well as bunking, loved by all his juniors.

33460 CDT V K SHUKLA (A): This Nawab always tried to create terror among juniors. He is known for blinking of eyes.

33469 CSM D NARULA (A): This Aravilian was a josh type CSM who belived that the sqn should run on motivation. A good public speaker and a born goal keeper.
33310  SCC VB REDDY (N): This silent performer was always satisfied with the second enclosure. Was a josh type hockey player.

33471  CSM S NEGI (A): His psycho CSM always tried to get rid of his ‘bhand’ image and laid great plans for the sqn to do well. A good X-Country runner.

32894  DCC A BAKSHI (A): This highly sensible DCC put his heart out in every event and belived in motivation than undue ragda.

33385  DCC M BHARGAV (A): This X-Country captain was senti only for the X-Country practice and the bunking charges. Had an unpredictable mood.

33314  DCC Y NAIR (N): This silent DCC was never seen publicly in the sqn but was found to work behind the scenes. Was a great football player.

33303  CQMS D JOSHI (A): This saint knew better ways of getting things done other than ragda. He was a highly capable CQ and a good X-Country runner.

33360  CDT A MISHRA (A): This highly unpredictable OC was seen in his ‘never seen before’ mood during basketball. A good X-Country runner and an expert in motivating.

33187  CDT H RAWAT (AF): This saint just did not believe in the word ‘ragda’ and motivated juniors through his words. Was always seen smiling.

33443  CDT A BADONI (A): This Ghorakhali was good in X-Country. Found silent for most moments except a few. Was good in services.

33215  CDT A THAKUR(AF): This highly interested OC was a terror in the Academy as well as sqn. Generally termed as Second ACC of Academy. Was the PT captain at sqn.

33287  CDT A SHAH (A): This OC gave out everything for the camps. Was a good map reader. Aspired of take part in every event that existed in the Academy.

33432  CDT P BHONSALE (A): This boxing captain knew every funda to escape from the things he wanted to.

33317  CDT S SHARMA (AF): This flyboy came out of his hibernation only when army cadets were out. Used to impress sqn with his “extra” grammatically correct English.

33217  CDT V PAWAR (AF): This Marathi flyboy was never seen never heard but was the first to check juniors for small mistakes.


33433  CDT R PRATEEK (A): Another Academy appointment. Was very joshful when it come to X-Country and drill.
33189 SCC KIRAN SHASHIKANT LANDGE (A): This localite Taant was the cafeteria of sqn. Always believed in motivation. Good in public speaking, academics and speaking of himself.

33205 CDT HARVINDER SINGH SANGWAN (A): A 'goond' loving Georgian Jat who believed in "jiyo aur jeene do" was jack of all trades, good in mugging up especially precis.

33211 CDT DEBANAND DOLEY (N): This chinki with passion for football was a divine flute lover. Juniors were afraid of his ML and boring speeches.

33269 CDT RAMAN THAKUR (A): This soft spoken valiant 'Suanian Bhaiya' was super non-interested, but very senti and motivational for camps, found busy with his GF on phone.

33262 CQMS SHIKHAR SHARMA (A): A maggi loving and 'ghorelu' cadet was a "classic" night rider. Was basketball captain, always got blasted in academics. A caring senior and favourite of 4th termers.

33281 CDT PRITESH SHINDE (A): QM fort of sqn, things that which went inside his cabin never returned, always wakes up after event and was senti about camps.

33283 CDT GEORGE JACOB (AF): "Never seen never heard" Sant Mallu. This gumsum flyboy was assistant CQMS, good in X-Country and COP in Hindi.

33326 CDT VISHU BENIWAL (A): This josh-type saddist Jat was always in hunt of juniors. He was cop in showing doubts. The periphery king of his course. A very good sportsman. Sqn love was his prized possession.

33372 CDT ANANAY BADOLA (A): This bhand Pahadi was a sensible and fun loving person. Good in X-Country and a drill maestro. Public speaking captain of sqn was a good sportsman too.

33390 DCC KEDAR JAYANT DESHPANDE (A): Suddenly popped up as appointment, was good in boxing. He tried hard in every event, made his corridor the most chill corridor.

33404 CDT ALLAN NAGESH (AF): This yank gentleman flyboy was the josh-box of the sqn, X-Country captain, good in football. His short routes were a terror for sqn.

33458 CSM BHAGATH CHANDRA (A): Chiuka terror type "Gulpy Mama" was master of all events. Was a true CSM (Cadet Screwing Machine), always punctual and COP-gatings. We will miss his yoga classes also.

33371 CDTMANEESH BHANWARIA (N): This cheeku type newbie Georgian was a medallist in running and rolling. Famous as 'Sqn Adjut', mostly found in ante-room.

33285 DCC PANKAJ SHARMA (A): This Himachali cheeku hunter was godmother of 2nd termers, gave special coaching to 'special cadets'. Good in PT and academics. Known as Mr. Attn 'a'. Favourite of Sqn office.

33319 DCC SATYAVEER SINGH GARATHI (AF): A sincere flyboy was head of "power corridor" and a man of action. He really needs a crash course in English.

33349 BCC ATMAJ KUMAR BHAT (A): This malnourished skinny BCC with appearances of a Hunter 1st termer was master of words and motivation box of the sqn. He was course topper and academics in-charge, under him sqn excelled in academics.
32947 SCC KAMLESH MANI (A): This Georgian Flag Corporal had good word of command. Led the sqn in motivated way and always believed in progressing towards improvement.

33455 CDT SIDDHANT DOGRA (A): The X-Country captain was accelerator of sqn and was very senti about the mid-term mood given to juniors by him. JOSH BOX of sqn, 4th termers were favourite of him.

33251 DCC ABHIJEET MAHESH GOSAVI (A): Football captain loved to play English songs and loved enjoying with juniors.

33321 CDT ARNAB ROY (A): This Bongo cum pongo had a finger in every pie. A motivation for juniors, he was always in love with his walking out.

33313 CQMS RAHUL CHAMOLI (AF): This chill out flyboy was very senti for camps, but sometimes performance of squadron made him burst into anger. Best CQMS and was favourite of sqn office.

33393 DCC PRAMOD SINGH (N): Potential BCC and first term DCC was mentor card in PT, academics, torchie and good in services. First to take part in all sqn activities & believed in work through motivation.

33340 CDT ADARSH SINGH (A): This silent boy is hardly heard and seen in sqn. One of the gentleman in course. He is jack of all trades.

33447 CSM AVINASH (A): This Bihari CSM was very put in type. Good in X-Country and football. Loved to give MILs and always led the sqn with example. Probably the first CSM with a 'Double Discipline Star'.

33178 BCA ANUJ WALIA (AF): This flyboy was excellent in services, riding as well as drill. Worked hard for battalion and sqn.

33170 CDT SUMIT SHARMA (AF): A very quiet Haryanvi and OC interested in his own life, but to his horror was made the basketball in-charge.

33373 DCC SURAJ KATIYAR (A): PT captain was very senti for ropes. Always there for PT fallins and whole term he was in search for his compass and maps.

33359 CDT HEMANT KUMAR (A): This pongo camp in-charge always motivated the 4th termers for Rovers. Believed in motivation and performance. His hard work paid with the good position in Rovers. COP in Russian. An ideal role model for his juniors.

32775 CDT HEMRAJ GURJAR (A): This Pongo Georgian was good in X-Country, Handball, football & basketball. Worked always on motivation. He love interacting with 4th termers.

33356 CDT MRADUL DIXIT (AF): He was the 'Quality band' of sqn and entertained the whole sqn with his jokes and acts. Always seen interacting with juniors.

33227 CDT BRIJESH BASHISTHMUNI OJHA (N): This Nevla was blue in public speaking. Potential torchie was always fully devoted towards his service & his ultimate aim was BPET and anchor pin.
Dr S Rajasekhara, Associate Professor in Mathematics

Dr S Rajasekhara joined the Department of Mathematics on 31st May 1984 as a Lecturer in Mathematics. He endeared himself to cadets and colleagues alike with his smiling demeanour, innovative style of teaching and interest in extra-curricular activities.

For a long time he was also the OIC (Results) in the Education Branch working tirelessly in compiling and finalizing results. He also officiated as the Registrar from time to time.

Dr S Rajasekhara left for his heavenly abode on 29th September 2012. He will be remembered by the NDA fraternity with love and respect.
A Mother Prays

Enter my portals O glory bound ones
Learn to lead I'll make you men
In my dreams the bugle sounds
In my heart hope abounds
Leave my portals live like men
Death or glory it matters none
The hour beckons honour at stake
O valiant sons a mother prays
Lead with vigour straight up front
Rocklike bear the enemy's brunt
I shall write your untold story
I shall uphold your blazing glory
Go my sons the earth beckons
Hear my warriors the oceans call
Soar my eagles the sky is yours
Death before defeat
Death before dishonour
Death with distinction
A mother prays for all your days
Strive and seek victory with grace
A mother prays...
A mother prays...