

For over all personality development of the students in its true sense, the Chancellor has taken conscious efforts from time to time to provide platform for enabling expression of talent in multidimensional pattern by initiating events for promoting Sports, Cultural talent, Research and Disaster Management Awareness in Sports, Cultural, Research among the students. "Krida Mahotsav", the flagship is the pioneering effort encouraging sports while "Indradhanushya" enables portray of cultural talent. "Avishkar", purely an academic effort exposes research acumen and "Avhan" a project on disaster management through NSS cadets. The theme of each event and its allied details are as under:

Krida Mahotsav : The State Inter-University Sports Meet.

An Inter University Sports Meet with the theme of AIDS awareness was launched under the auspices of Raj Bhavan in 1997. This Sports Meet is organized by all the 20 Universities in the State of Maharashtra in rotation from 28th November to 1st December (World AIDS Awareness Day) which gives platform to budding talents to enhance their performance at state level before they could be sent to zonal or national level.

Following are the events covered under "Krida Mahotsav" :-

- Athletics
- Basket Ball
- Volley Ball
- Kabaddi
- Kho-Kho

In addition one more game such as Badminton, Malkhamb, Swimming etc can be organized if desired by the host University. Following Universities have so far hosted "Krida Mahotsav" :

Name of the Universities hosted the event	Year
University of Mumbai	1997
Dr. Babasaheb Ambedkar Marathwada University	1998
Rashtrasant Tukdoji Maharaj Nagpur University	1999
University of Pune	2000
Shivaji University	2001
SNDT Women's University	2002

Sant Gadge Baba Amravati University	2003
Swami Ramanand Teerth Marathwada University	2004
Marathwada Krishi Vidyapeeth	2005
North Maharashtra University	2006
Yashwantrao Chavan Maharashtra Open University	2007
Mahatma Phule Krishi Vidyapeeth	2008
Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth	2009
Dr. Panjabrao Deshmukh Krishi Vidyapeeth	2010
Marathwada Krishi Vidyapeeth	2011
Rashtrasant Tukdoji Maharaj Nagpur University	2012
Maharashtra University of Health Sciences	2013

INDRADHANUSHYA: The State Inter- University Youth festival

The Maharashtra State Inter University Cultural Festival celebrated by all 19 Universities in the State of Maharashtra in rotation was born on 31st December 2003 to provide platform for portraying cultural talents of the students with the theme of "Population Control & Family Planning" to be campaigned as a social cause during this event especially in the form of a procession sensitizing masses.

Today it is one of the most popular Youth festivals consisting of the following cultural events :-

1. Theatre

- One Act Play
- Skits
- Mime
- Mimicry

2. Dance

- Folk / Tribal Dance
- Classical Dance
- Creative Dance

3. Music

- Classical Vocal Solo
- Classical Instrumental Solo(Percussion)
- Classical Instrumental Solo (Non-percussion)
- Semi Classical Vocal (Indian)
- Light Vocal (Indian)

- Western Vocal (Solo)
- Group Song (Indian)
- Group Song (Western)
- Folk Orchestra

4. **Literary**

- Quiz
- Elocution
- Debate
- Poetry Recitation

5. **Fine Arts.**

- On the spot painting
- Collage
- Poster Making
- Clay Modeling
- Rangoli
- Cartooning
- Installation

Following Universities have so far hosted “Indradhanushya” :

Name of the Universities hosted the event	Year
SNDT Women's University	2004
Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth	2005
University of Mumbai	2006
Dr. Babasaheb Ambedkar Marathwada University	2007
Yashwantrao Chavan Maharashtra Open University	2008
Shivaji University	2009
University of Pune	2010
Maharashtra University Health Sciences	2011
Swami Ramanand Teerth Marathwada University	2012
Dr. Babasaheb Ambedkar Technological University	2013

AVHAN : A capsule on Disaster Management

Avhan aims to reduce or avoid the potential losses from hazards, assure prompt and appropriate assistance to victims of disasters, and achieve rapid and effective recovery. “**Chancellor's Brigade**” Comprising of about 1000 NCC cadets is built out of one platoon (20 boys 10 girls) along with 2 ANO's (a gentleman & a lady) from each district to be trained to accept the challenges of natural and manmade disasters, playing complementary role to the Government machinery.

Following are the general areas of basic training imparted in 12 days camp every year in the month of May in one of the Universities identified as host for the year:

Phase-I training

Administration

1. Inventory & stock management
2. Purchase of consumable, perishable & durable commodities/equipments
3. Finance management – costing, accounting, etc.
4. Logistic management
5. Communication
6. Liaison with authorities & NGO's
7. Prevention of theft during disaster
8. Report writing & reporting
9. Cooking
10. Capacity building for awareness training to the community.
11. Disposal of Dead bodies.
12. Study of vulnerable areas in Maharashtra and case studies.
13. Transit camp management.

Medical

1. Burns
2. Epidemics management
3. Fractures
4. Wounds

5. Diagnosis and routine medication
6. Hygiene & sanitation
7. Cardiac massage & mouth to mouth respiration
8. Introduction to medical instruments and gadgets.
9. Introduction to operation theatre and sterilization procedures.
10. Introduction to basic medical laboratory testing.
11. Administration of drugs
12. Psychological counseling
13. Education of masses to face disaster.

Operations

1. Flood Rescue
2. Debris clearance
3. Fire fighting
4. Stretcher operations & mobilization technique
5. Evacuation
6. Distribution & air drops of foods
7. Bomb scare
8. Rehabilitations & establishing transit camps
9. Riots
10. Climbing & mountaineering skills
11. Equipment & instruments handling.
12. Chemical hazards.
13. Accidents (Road & Rail).

Phase-II training :

During the 12 days camp of Phase-I training, 3 cadets will be selected from every district showing excellence in the areas of administration, operations and medical each. They shall be trained in the respective areas further in Phase-II to develop specialized skills enabling each one of them to lead a section of 10 cadets from the respective district platoon of 30 cadets. Phase-II training being specialized training will be conducted at 3 different places simultaneously preferably during Diwali vacation for 10 days. A platoon comprising of one leader from each district shall undergo Phase-II specialized training in administration at a place like YASHADA, Pune or in any of the Departments of Management Studies / Management Institutes in the Universities. Similarly, specialized training in medical will be imparted to a platoon comprising of one cadet from each of the districts either in Maharashtra University of Health Sciences, Nashik or an establishment of Army / Navy / Air force hospital. A third platoon of cadets representing each district will undergo Phase-II specialized training in operations in the form of Army attachment camp or at an establishment of Home Guards / Civil Defence.

Phase-III training :

Cadets showing extra ordinary performance in Phase-II training will be encouraged to undergo training in specialized skills preferably during Christmas vacation at Army / Navy / Air force establishments as also at medical colleges of MUHS and YASHADA / Management Institutes.

Refresher Training :

Cadets and ANOs who have undergone Phase-I training in the previous year shall be invited to undergo refresher training every year for at least 3 days at the host University conducting Phase-I training.

Community Training :

The cadets who have undergone at least Phase-I training shall conduct awareness campaigns, demonstrations and mock trials in the colleges and the community at large within their districts in collaboration with NSS volunteers and other students with a view to prepare the community mentally and psychologically to face the disaster situation with right spirit and proper actions minimizing damage.

Mass Awareness :

Short films and spot advertisements could be prepared with the help of Mass Media students and the Disaster Management Cell, Government of Maharashtra for awareness of masses since the first responder is the common man present at the spot who should react properly. This would not only curtail the occurrence of man made disasters but will also bring down the causality, if disaster occurs.

Financial Management:

(A) : At the University level, disaster management corpus fund is being generated since the academic year 2000-2001 by collecting Rs.10/- from each student allowing the Universities to spend on training / capacity building and developing infrastructure / procuring equipment as a part of preparedness and response to disaster, from the interest generated out of the said corpus fund. Thus, from the interest on the same funds, each University can procure the basic equipment and develop their own infrastructure, on priority, which could be kept in the custody of NCC Group H.Q. or suitable units, to be readily made available to the Chancellor's Brigade when required.

(B) : Similarly, contribution is collected from each student by the respective Universities for the activities conducted under the auspices His Excellency the

Governor of Maharashtra and Chancellor such as "Ashwamedh" – The State Inter University Sports Meet, "Indradhanushya" – The State Inter University Cultural Youth Festival, "Avishkar" - The State Inter University Research Convention, etc. The said contribution is received by the respective host Universities.

MODUS OPERENDI

RESEAL OF CASH IN TWO HOURS:-

With the onset of disastrous situation at any place in the State the district authority will contact concerned ANO to provide specific number of cadets to assist in particular activity. ANO on one hand will pass message to the cadets to assemble in 1 to 2 hrs. at the specific location and will prepare the budget in consultation with the Group Commander, (if available) to sustain the cadets deputed for the purpose and submit it to the Vice Chancellor in the jurisdiction. The concerned Vice-Chancellor in whose jurisdiction the said disastrous situation has arisen shall assess the financial need and contact the Vice-Chancellor of the host University for release of adequate funds. A Committee comprising of the Vice-Chancellors of the previous, the current and the next year's host Universities shall be empowered to take the appropriate decision to be endorsed by the Secretary to the Governor or in his absence the Deputy Secretary (Education) to the Governor of Maharashtra or any other officer next in the hierarchy. The entire communication shall take place on telephone / conferencing, e-mail and / or fax enabling them to arrive at the conclusion instantaneously to release the fund in the shortest possible time after receiving the call. The funds could thus be made available immediately by the Vice-Chancellor in whose jurisdiction the disaster has occurred, on receiving sanction for the same and claim reimbursement from the host University thereafter.

REPORTING :-

One Associate NCC Officer with a platoon (3 Sections) comprising of 30 trained cadets (20 boys & 10 girls) including 3 Section Commanders specially trained in the areas of administration, operations and medical shall reach the spot within a few hours after occurrence of disaster from within the said district. About 1000 such cadets can reach the spot of the disaster from various districts of Maharashtra thereafter within a day, if required. The Associate NCC Officer (ANO) shall receive the funds necessary to procure adequate ration for the cadets as also for the victims along with other consumable articles, utensils, clothes, medicines, etc. as per the requirement within the budget sanctioned by the Vice Chancellor who shall also release and control the funds. Expenditure shall be strictly done as per the pre-decided NCC norms facilitating audit of accounts in time. The ANO shall report to the Government authorities coordinating the disaster and thus the said team shall assist in the disaster management with self sufficient resources.

RESULTS : Self sufficient trained force is available with resource in 2 hours without causing any burden on the Government.

Following Universities have so far hosted “Avhan” :

Name of the Universities hosted the event	Year
Shivaji University	2007
KKK Sanskrit University	2008
Dr. Babasaheb Ambedkar Marathwada University	2009
University of Mumbai	2010
Solapur University	2011
Mahatma Phule Krishi Vidyapeeth	2012
Swami Ramanand Teerth Marathwada University	2013

AVISHKAR :- The State Inter-University Convention inculcating research culture.

RATIONALE: In the year 1996-97 rifle shooting was included as one of the events at inter collegiate competitions by the University of Mumbai and in the consecutive year it was listed by the Association of Indian Universities for Inter University tournament. Coincidentally Indian Shooters who at times used to be ranked around 40th in Olympics emerged out as a new range of brighter shooters on the International scenario within the next few years. Of course, the credit goes to the Association, the coaches and the devoted sport lovers who played vital role and gave a major boost to this sport, though the fact remains that in the city of Mumbai about 4-5 colleges developed their shooting ranges to train upcoming shooters who would fetch the trophies for the respective colleges. Infrastructure should be made available at the grass root level to provide opportunities to the hidden talents which would help them to come in a big way.

Research which is an outcome basically of the innovative minds in the modern era at times demands well equipped laboratories and such other infrastructure. If the same is made available by the educational institution at right ages, it will not only stimulate the activities but will help to identify the students to be groomed further as acclaimed researchers in their respective fields.

Raison-d-atre: Much is discussed about the quality of research being carried out in the Universities. Concern has always been expressed about enhancing the standard of Ph.D degree. Admission for Ph.D. has to be done through a transparent mechanism, curtailing the liberty of research guides to register research students of their choice alone. No doubt it is the prerogative of Ph.D. guides to enroll students having right aptitude in the area of research dealt with

by the respective guides but the possibility of encouraging favouritism cannot be ruled out in the process. Continuous monitoring after registration, open viva and truthful evaluation, appointment of proper referees avoiding reciprocal nominations of the research guides as referees for the students of each other at least for a stipulated number of years, avoiding overlapping and duplication of work also by developing a common website of University research making the synopsis/abstracts available at the fingertips are some of the reforms needed. Our Country certainly needs a large number of Ph. D. s, but not at the cost of quality. In the era of intellectual property rights with implementation of WTO – GATS, patenting of research has gained importance. Research, therefore, must have relevance both in the context of pure subjects as well as applied subjects. Autonomy of institution is also inevitable to explore the avenues of extra funding from agencies such as UGC and World Bank to support research activities. One must also strive to seek consultancy / research projects bridging the gap generated by paucity of funds owing to inevitable cut down of grants. University-Industry interface is the need of the hour. Inculcating research culture at the right age is the solution to the whole issue.

Modus Operandi: A provision is being made in the Ordinance of each university in the State of Maharashtra to collect Rs. 30/- from every student towards the various activities organised under the aegis of the Chancellor. Of course, a part is used for the activities at the college and the University level. Rs. 4/- from the same are allocated for “Avishkar” thus making a fund of about Rs. 50 to 60 lacs available for the purpose each year. Out of Rs. 4/-, contribution collected @ Rs. 2/- will be utilized for conduct of the event while the remaining collection @ Rs. 2/- will be invested suitably as corpus fund, interest of which will be utilized to publish Journal dedicated to the research work and outstanding projects of the students in Avishkar permanently every year for the said University. One University is identified to host the festival every year.

There are six disciplines for participation:

1. Humanities, Languages, Fine Arts etc.
2. Commerce, Management, Law etc.
3. Pure Sciences.
4. Agriculture and Animal Husbandry.
5. Engineering & Technology.
6. Medicine and Pharmacy.

Each University can send in all 36 entries in 18 categories with a maximum of 2 entries in every discipline at the Under Graduate, Post Graduate and Post P.G. levels each with a rider that no University shall send a contingent of more than 40 members including the team managers & assistants,(if any). Strategically, however, the participating Universities can send two entries in some of the categories and single or nil in some other. Since the philosophy of the convention is based on inculcating research culture, the team should primarily comprise only of the researchers though some of the teachers who have

supervised /guided /co-ordinated the research project with the students may be permitted to accompany the respective teams within the contingent for the various categories, if inevitable, but while restricting to the total number of 40 members in the entire contingent of the University for logistic convenience of the host, ensuring proper local hospitality. There is no restriction on the number of researchers engaged in each research project and that liberty can be taken by the University to send one of the representatives of the team working on each of the projects to be a member of the contingent at 'Avishkar' facilitating the University to send maximum number of entries covering most of the categories. Care should be taken by the participating Universities to send entries in the maximum categories by selecting at-least one best research project in each of the 18 categories, comprising of 6 disciplines and 3 levels, since there is no restriction on the area of participation depending on the faculty / subjects taught in the University. This principle not only ensures equal opportunity for all the Universities to win overall championship through prize winning research projects in maximum categories but also provides freedom of expression of research talents beyond the limitations of formal education thus expanding the horizon through inter-disciplinary approach and even beyond. Though freedom of participation irrespective of the faculty to which person belongs is encouraged, the same is not applicable to the appointment of judges who in fact must belong to the faculty /subject/stream in the respective disciplines. Hence the organizing / host University will not restrict entry in any discipline forwarded by the participating Universities, since the judges would automatically eliminate entries which do not fall under the said discipline. Needless to say that the onus lies on the participating Universities to ensure that the entries of various research out-puts fall in the correct slots of disciplines.

The convention shall be of three days when the host University will provide local hospitality to the team members and infrastructure for exhibition as well as presentation of the research projects. A panel of atleast three judges will judge the projects in each category, who would be the acclaimed researchers representing various areas/fields in the said discipline.

Following shall be the schedule of the festival:

DAY 1 : Poster/Model display of research projects in an exhibition to be judged at elimination round by at least 3 judges, in each category, who are acclaimed researchers in the respective disciplines which they are judging.

DAY 2 : Oral presentation strictly by the participants of the selected / short listed research projects which will normally be 5 in the number and not more than 10 in number in any case in each of the 18 categories.

DAY 3 : Discourses by the eminent judges on various aspects of research in relevant areas followed by prize distribution ceremony in the evening.

Note : The exhibition shall be dismantled only on the 4th day and that activities of all the three days shall be open to the Students, Academia and General Public.

Following shall be the eligibility criteria for participants in various categories.

1. Undergraduate: Students pursuing studies in the participating University or its conducted/affiliates colleges or recognized institutes who are below the age of 25 are eligible to participate in any of the six disciplines under this category depending upon the area of his research work irrespective of the faculty/stream/subject in which he has enrolled for the degree/diploma in the participating University.
2. Post-Graduate: Any students pursuing studies in the participating University or its conducted/affiliated colleges or a recognized institute who is below the age of 30 is eligible to participate in any of the six disciplines under this category depending upon the area of his research work irrespective of the faculty/stream/subject in which he has enrolled for the Post Graduate degree/diploma in the participating University, having sought degree/diploma before.
3. Post-PG: Any person who has duly registered for a diploma/degree such as MPhil, PhD, D.Sc, D.Litt., etc. having acquired Post Graduate degree/diploma in the said subject/stream/faculty in the participating University or its conducted/affiliated college or recognized institute or is pursuing Post Doctoral Research is eligible to participate in any of the six disciplines under this category depending upon the area of his research project irrespective of the faculty/stream/subject in which he has enrolled for the Post Graduate degree/diploma for the said programme in the participating University without any stipulated age limit.

Note: Since the philosophy of "Avishkar" is to encourage the original research and develop innovative minds inculcating research culture there is total flexibility of participation without any restriction on cross faculty participation. As the students of Traditional Universities can participate in all the six disciplines; same way the students of Agricultural, Animal/Fishery Sciences, Medical, Engineering, Sanskrit and Open Universities etc. can also participate in all the six disciplines and under all the 18 categories. In a way this policy encourages interdisciplinary work though the participants and the participating Universities must ensure that their entry of each research project fits appropriately under the given discipline. Of course, the panel of judges however, will be separate for each discipline with eminent researchers having desired specialization who in any case will eliminate entries which are not within the specific disciplines. The host/organizing University, therefore should not prevent any entry on a premise that it does not fit into a particular disciplines. On the contrary organising/ host University shall only confirm the eligibility criteria such as age and number in the contingent etc.

Following shall be the procedure for judging :

The host / organizing University shall prepare a list of eminent researchers separately for all the 6 disciplines who would be available for judging. Each category has to be judged by atleast 3 judges who cover areas/fields /specialties/subjects/streams/faculties under the said discipline. Needless to say that the number of judges can be increased for a category under the discipline/s which cover unrelated / vast areas/fields/specializations/ subjects/streams/faculties. A sub-Committee nominated by the Chancellor's office shall be invited by the host/organizing University to finalize the list of judges identified by the host/organizing University before appointment of the judges. Judging will generally be based on original thinking, innovative idea, presentation with clarity of thought, knowledge about the allied/parallel work in the field, efforts of the individual and the Institution, benefit to the mankind/society and applied value etc.

Other Details: It is pertinent that each University shall conduct a similar convention at the inter collegiate level enabling them to select the best of the entries in maximum categories, thus reaching the grass root level encouraging research right at the Under Graduate Level not restricted to Science and Technology alone but covering all the faculties and inter disciplinary activities which is the unique feature of this event. The theme of "Avishkar" is **"Research for Sustainable Development"** which is the area of campaign during the festival and **not** the subject of research projects thus ensuring freedom of multidimensional expression of research talents in any of the areas. The complete blue print of "Avishkar" was presented by the Chancellor's office on 2/11/2006 in the meeting of the Directors of BCUD and first "Avishkar" was hosted by Rashtra Sant Tukodoji Maharaj Nagpur University. His Excellency the Governor of Maharashtra and Chancellor of State Universities inaugurated the first "Avishkar" on 15th February 2007.

Desired outcome: A peer group of like minded talented persons inclined towards research leaves strong impact on the open minds at the tender age giving direction to take research as a career. Right opportunity when made available at the undergraduate level leads to forming such a peer group which can be moulded in desired direction by motivated teachers, who became their mentors. Such students when register for PhD. hardly wait for guide to coin their research topic. On the contrary they approach a guide working in the relevant area with the set problem having already done the reference work or even the pilot work conducted independently on the topic. The problem of plagiarism or even an overlapping and duplication of work could rarely arise when the mind set is innovative striving to address the challenges with a passion to do the original work. The desired outcome of "Avishkar" would therefore not be limited to the quality of the research in the University and to register maximum number of patents but would be to nurture the future of "Noble Laureates" ahead in 20

years doing fundamental research.

Name of the Universities hosted the event	Year
Rashtrasant Tukdoji Maharaj Nagpur University	2006
SNDT Women's University	2007
Sant Gadge Baba Amravati University	2008
Solapur University	2009
Maharashtra University of Health Sciences	2010
Shivaji University	2011
Dr. Balasaheb Sawant Kokan Krishi Vidyapeeth	2012
North Maharashtra University	2013
