



NAAC Accredited with Grade "A"

आविष्कारतून शाश्वत विकासाकडे.....

Sant Gadge Baba Amravati University, Amravati
Regional Level Student Research Convention



AVISHKAR 2017

Sustainable Development Through Innovation

A Research Convention that provides a Platform to Exhibit Innovative Ideas, Original Thinking, Scientific Attitude and Creativity

Inclusive

Innovate

Inspire

District Level Avishkar

- Akola District : Shri Shivaji College of Arts, Commerce & Science, Akola (4th December 2017)
Yavatmal District : Amolakchand Mahavidyalaya, Yavatmal (7th December 2017)
Buldhana District : Shri Shivaji Science College, Chikhil (12th December 2017)
Washim District : Yashwantrao Chavan Art & Science Mahavidyalaya, Mangrulpir (13th December 2017)
Amravati District : Shri Shivaji Science College, Amravati (14th December 2017)

University Level Avishkar

Sant Gadge Baba Amravati University, Amravati (28th & 29th December 2017)

Levels of Participation

- Under Graduate (UG)
- Post Graduate (PG)
- Post PG (PPG)
- Teachers (TH)

Modes of Presentation

- Poster
- Model (Working/ Static)

Language of Presentation

- English ■ Marathi ■ Hindi

Rules and Guidelines

For registration form, "rules and guidelines" and other details please visit university website : www.sgbau.ac.in

State Level Avishkar

Total 48 winners
(2 each from 4 levels of 6 theme areas)
will represent the university at State Level Avishkar

Chief-Patron

Dr. M. G. Chandekar

Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati

Co-Patrons

Dr. R. S. Jaipurkar
Pro-Vice-Chancellor

Sant Gadge Baba Amravati University, Amravati

Dr. Ajay P. Deshmukh
Registrar

Sant Gadge Baba Amravati University, Amravati

Coordinator

Dr. A. S. Aswar

Professor & Head
Department of Chemistry

Sant Gadge Baba Amravati University, Amravati

Email: coordinatoravishkar@sgbau.ac.in

M:9421790866,9637650791

Theme Area Groups

1. Social Sciences, Education, Languages, Humanities, Fine Arts, etc.
2. Commerce, Management, Law, etc.
3. Pure Sciences: Chemical, Physical, Life, Mathematical, Environmental, Home and Computer Sciences.
4. Agriculture and Animal Husbandry
5. Engineering & Technology: All Branches of Engineering and Technology.
6. Medicine and Pharmacy

Last date of entries for University level

20th December, 2017

All UG / PG / Ph. D/ Teachers categories from University Departments and Engineering & Technology category should send their entries directly to the University Coordinator, Dr. A. S. Aswar Avishkar Cell, Sant Gadge Baba Amravati University, Amravati- 444 602 on or before 20/12/2017.

ORGANIZERS

Amravati	: Dr. D. V. Hande (Co-ordinator)	M. 9422736736
	Dr. V. G. Thakare (Principal)	M. 9422858934
Akola	: Dr. S.P. Deshmukh (Co-ordinator)	M. 9422938190
	Dr. S. G. Bhadange (Principal)	M. 9960296136
Buldhana	: Dr. A. M. Garode (Co-ordinator)	M. 9850363280
	Dr. N. B. Bhusare (Principal)	M. 9421463410
Washim	: Dr. A. H. Shinde (Co-ordinator)	M. 9423651979
	Dr. V. R. Bhonde (Principal)	M. 9422748486
Yavatmal	: Dr. A. B. Lad (Co-ordinator)	M. 9822460072
	Dr. R. A. Mishra (Principal)	M. 9890047278
University level	: Dr. A. S. Aswar (Co-ordinator)	M. 9421790866

State level Avishkar-2017 will be organized at Mahatma Fule Krishividyapeeth Rahuri during January-2018

SANT GADGE BABA AMRAVATI UNIVERSITY

NAAC Reaccredited „A“ Grade Regional Level Student Research Convention “AVISHKAR – 2017”

No. SGBAU/Chem / 313 /2017 dated 03/11/2017

Dr. Ajay P.Deshmukh
Registrar
Sant Gadge Baba Amravati
University , Amravati-444602

Dr. Anand S.Aswar
Coordinator, Avishkar Cell
Sant Gadge Baba Amravati
University , Amravati-444602

Subject: Circular of Inter-Collegiate Student Research Convention “Avishkar 2017-18.”

Dear Sir/Madam,

Academics in the 21st Century is at a crossroads of knowledge and research. There is a tremendous desire to unveil the unknown and unexplored areas of knowledge in all fields of academic enquiry. Due to the tremendous interdisciplinary approach no discipline goes untouched from the research activity. The genesis of ' Avishkar- A State level Students Research Convention " lies in the success of Sports meet "Ashwamedh" and Inter-University Cultural Festival "Indradhanushya" which provide opportunity for all round development of personality of students. His Excellency, Dr. S. M. Krishna, the then Chancellor mooted the concept of providing a platform/opportunity for expression of research talent among the students. It is for inculcating research culture, to encourage original thinking among students and provide an opportunity for expression of academic talent. This will also help to promote interaction among academia, R&D Institutes and Industries. Such type of activity is essential in the era of intellectual property rights with the implementation of WTO-GATS and patenting of research. To make the country competent and competitive, promoting research activities at the right age is the only solution.

This activity, unique in its nature will help to develop skill to review new dimensions of explored areas of knowledge as well as the unexplored areas of enquiry. Sant Gadge Baba Amravati University has established the Avishkar Cell to promote research and innovation amongst students and teachers, to reach to the objectives set by AVISHKAR. The Avishkar cell has taken special efforts to increase the participation of the desirous and deserving students from rural and urban areas. The cell also put in strength efforts to organize regional competitions and to provide special training to these students towards guiding them to enhance their abilities to showcase their research model work in an effective manner. This activity has generated a lot of scientific temperament in research and innovation amongst students and the participation is ever increasing.

It is our pleasure to share with you that Sant Gadge Baba Amravati University contingent of 40 students at the UG, PG, Post PG (PPG) and Teachers pursuing M.Phil., Ph.D had participated at 11th Maharashtra State Interuniversity Research convention - Avishkar hosted by Swami Ramanand Teerth Marathwada University, Nanded, in January 2017, wherein our University secured the first position in Medicine and Pharmacy Category at teacher level and the second prize in Engineering and technology category at undergraduate level during the Academic year 2016-17. We have also own first, second and third prizes in Central Zone Student Research Convention held at Dr.C.V.Raman University, Kota, Bilaspur and the first and second prizes at All India Student Research Convention -ANVESHAN 2016, held at Annamalai University, Tamil Nadu.

Sant Gadge Baba Amravati University has a long tradition of 35 years with almost 400 affiliated Colleges and over 5 lakh students studying in the various departments, institutions and affiliated colleges. It is the collective responsibility of all of us to sensitize the students and build confidence among them to venture into research and imbibe in them, the spirit of healthy competition.

There is a total flexibility of participation without any restriction on cross faculty participation. Avishkar involves all disciplines and grouped them into six categories as listed below:

1. Humanities, Languages, Fine Arts etc. (HLF)
2. Commerce, Management, Law etc. (CML)
3. Pure Sciences (PS)
4. Agriculture and Animal Husbandry (AAH)
5. Medicine and Pharmacy (MP)
6. Engineering and Technology (ET)

Students of UG, PG, PPG and Teacher (pursuing M.Phil/Ph.D) can participate. Student from any level /discipline can participate under any of the above six disciplines.

- At the college level multiple entries can be accommodated.
- However, while participating at the Qualifying/Preliminary round only 48 entries per college are permissible.
- Also the Maharashtra University of Health Sciences, Nashik from last two years onwards begun participation with the National Convention on “Inclusive Innovations”. Hence, the participant can also enrol for the same.
- For details, please visit the website: www.inclusiveinnovation.in.

1. Every college is entrusted with the responsibility to organize its own research convention at the college level **in all first five categories whereas competition for engineering & Technology** category will be held directly at University level as per the University norms. The Principal/Director / shall be the convenor and Teacher In -charge will be the co-convenor of the Avishkar Convention. One Teacher **co-ordinator** be designated for this activity to undertake the responsibilities of creating the research culture in the college and his name be forwarded/ mailed to respective District coordinator as well as to the Avishkar Cell, Sant Gadge Baba Amravati University.

For the purpose of judging the research projects, the college should invite experts from other colleges and institution and shortlist two entries in each category irrespective of their levels (UG/PG / PPG/TH(M.Phil-Ph.D.) (maximum 40 best projects) for the purpose of participation for Avishkar at the District /University preliminary round.

Those colleges who do not conduct Avishkar activities at the college level, the University shall reserve its right to restrict their participation in the University/state level Research convention.

Following the Inter-Collegiate research convention (preliminary/Qualifying round) the selected entries shall compete at the final round of the research convention at University level. From every level only two and for the category only eight (total 48) entries will be accepted for participation at the state level Avishkar.

2. Each college/institution is expected to send a maximum of two entries in each category (40 entries maximum after the college level Avishkar) from Under Graduate (UG), Post Graduate (PG) and Post PG, and teachers pursuing their research (Ph.D.) in all above five categories to the District Coordinator as given in the time table.

All UG / PG / Ph D/ Teachers categories **from University departments and Engineering & Technology** category should send their entries directly to the University Coordinator, **Dr.A.S.Aswar** , Avishkar Cell, Sant Gadge Baba Amravati University on or before **20/12/2017**.The upper Age limit for UG &PG candidates are **25 and 30** years respectively while for Teachers there is no age barring.

3. Category wise entries and soft copy of the project should be mailed to the Coordinator, Avishkar Cell, Sant Gadge Baba Amravati University on Email ID: coordinatoravishkar@sgbau.ac.in at least three days before the respective districts/ university final level rounds, mentioning the following:

- Title and abstract of the project: (200 Words compulsorily be submitted during registration)
- Name of the participant:
- Their level UG / PG / Ph D (Registration No with date)/ Teachers pursuing M.Phil/Ph.D.

4. The research project to be presented should be in the form of a poster (with / without a model) and an oral presentation (power point, soft copy to be mailed to the Coordinator, Avishkar Cell, Sant Gadge Baba Amravati University.(Email ID: [coordinatoravishkar @sgbau.ac.in](mailto:coordinatoravishkar@sgbau.ac.in) ; Telefax-0721-2662135.).

5. Each oral presentation will be given 8 minutes and 2 minutes for question and answers.

6. The poster should be of **1 meter x 1meter** in size and **Name of the College / Department / Institute or Student should NOT** be inscribed on the poster / oral presentation (Annexure – A).

7. The entry should reach the respective centres for the district level competition at least three days prior to the commencement of competitions. (Annexure – B) [One copy to be mailed on above email address.] .

8. The judging of the posters/ oral presentation at the District/University level would be done by the panel of eminent judges appointed by the University/District coordinators.

9. The participants of the selected projects will have to remain present along with their posters (**1meter x 1meter, Flex**) and or models and oral presentations at Sant Gadge Baba Amravati, Amravati. Entry form may be downloaded from the University website www.sgbau.ac.in

10. The list of centres /dates of selection and final rounds/list of co-ordinators at district level shall be circulated in due course of time.

11. Orientation guidance session will be organised for the benefit of the students and teachers. The schedule for the same will be provided on the website of the University www.sgbau.ac.in

May we request you to take initiative and send your selected students with their research projects for participating in the District/University level research convention. Your initiation, involvement, participation & guidance will certainly help the university to make this research Convention a grand success.

sd/-
Dr.Ajay P.Deshmukh
Registrar

sd/-
Dr. A.S.Aswar
Coordinator, Avishkar Cell

Encl: i. Time-Table (District wise)
ii. Annexure A&B
iii. Instructions

To,
The Principals / Directors of the recognized Institutions & affiliated colleges and Heads of the Sant Gadge Baba Amravati University.

SANT GADGE BABA AMRAVATI UNIVERSITY
Regional Level Student Research Convention
“AVISHKAR – 2017”
Time Table*

District	Name of Region	Date	Organizing College & District Co-ordinator Name (Contact No. & Email)	Principal Name (Contact No.& Email)
Amravati	All colleges from Amravati District	14/12/2017	Shivaji Science College, Amravati- 444 602 District Co-ordinator: Dr. D.V. Hande Shri Shivaji Science College, Amravati- 444602 Cell: 9422736736 Email: dvhande@gmail.com	Dr.V.G.Thakare Email:Shivajiscamt@gmail.com Cell:9422858934
Akola	All colleges from Akola District	04/12/2017	Shri Shivaji College of Arts, Commerce & Science, Akola – 444 003 District Co-ordinator: Dr.S.P.Deshmukh Cell:9422938190 Email: spdeshmukh01@rediffmail.com	Dr.S.G.Bhadange Email:dr.subhashbhadange@gmail.com Cell:9960296136
Buldhana	All colleges from Buldhana District	12/12/2017	Shri Shivaji Arts & Science College Chikhli - 443201 District Co-ordinator: Dr. A. M. Garode Shri Shivaji College of Arts, Commerce & Science, Akola – 444 003 Cell:9850363280 E-mail- anilgarode@gmail.com	Dr.N.B.Bhusarie Email:shivajichk@rediffmail.com Cell:9421463410
Washim	All colleges from Washim District	13/12/2017	Yashwantrao Chavan Arts & Science Mahavidyalaya, Mangrulpir District Co-ordinator: Dr. A.H. Shinde Yashwantrao Chavan Arts & Science Mahavidyalaya, Mangrulpir Dist. Washim. Cell: 9423651979 Email: anantshinde007@rediffmail.com	Dr.V.R.Bhonde Email:principalyccmp@rediffmail.com Cell : 9422748486
Yavatmal	All colleges from Yavatmal District	07/12/2017	Amolakchand Mahavidyala, Yavatmal District Co-ordinator: Dr. A.B. Lad Amolakchand Mahavidyalaya ,Yavatmal Cell: 9822460072 Email: drajay_lad@rediffmail.com	Dr. R. A. Mishra Email: mishramanohar@gmail.com Cell : 9890047278
University Campus	University Depts. + All Engg. Colleges + Shortlisted candidates from Five Districts levels	28&29 December 2017	Dr. A. S. Aswar Co-ordinator, Avishkar Cell Prof. & Head Department of Chemistry Sant Gadge Baba Amravati University, Amravati Email: coordinatoravishkar@sgbau.ac.in Cell : 9421790866	

* Please send your entries to the respective District /University coordinators.

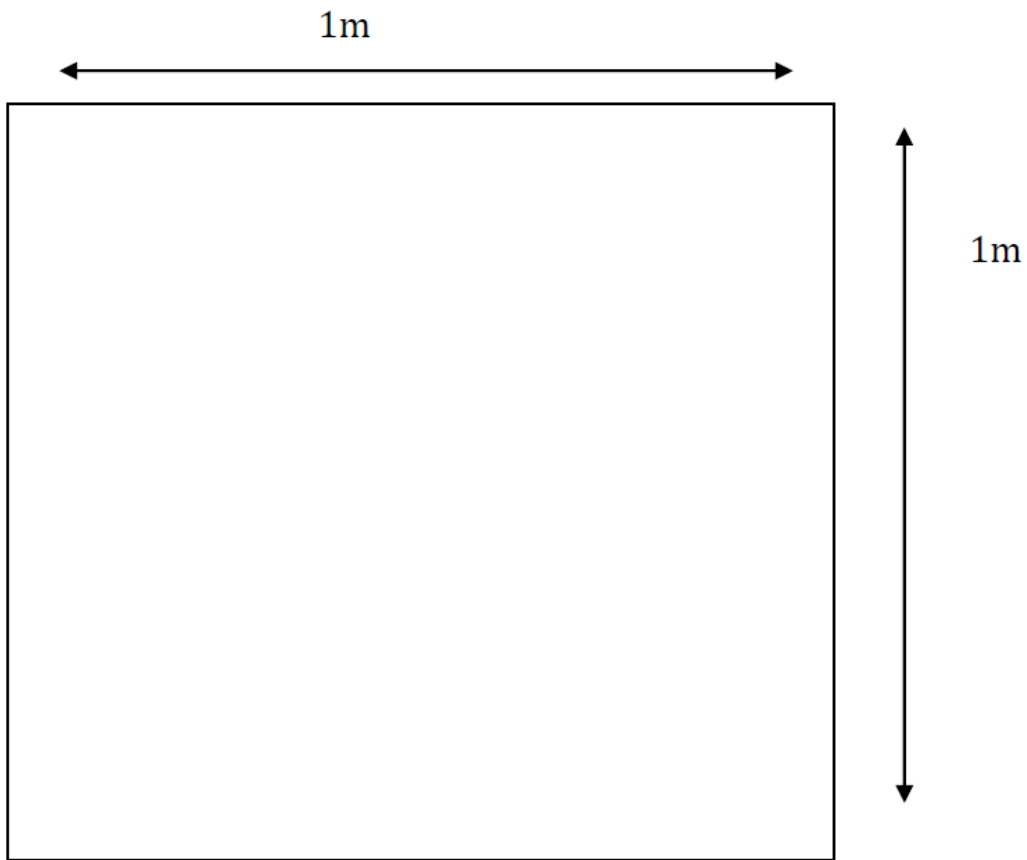
sd/-
Dr.Ajay P.Deshmukh
Registrar

sd/-
Dr. Anand S.Aswar
Coordinator, Avishkar Cell

Inter University Research Convention -Avishkar 2017-18

Category 1/2/3/4/5/6

Level: UG/PG/PPG/Teacher (TH)



Format of the poster to be presented at Avishkar 2017-18

NOTE: Name of the College / Department / Institute or Student should **NOT be revealed** on the poster / oral presentation

**Sant Gadge Baba Amravati
Avishkar Cell
Avishkar -Research Convention 2017-18**

Level :- UG/PG/Post PG(M.Phil./Ph.D.)/Teacher (Approved &Regular)

Category: PS/ET/MP/AAH/HLF/CML

Title of the Project: -----

Name of the Participant: -----

Gender (M/F) :------(Age)-----Date of Birth: -----/-----/-----,Class: -----

Email ID:- -----

Mobile No.:-----

Name of the College /Institution/Department:-----

Name of Guide/Supervisor:-----

Mobile No.:-----Email ID:-----

Name of the other team members: (if any)

1. _____

2. _____

Signature of Student

This is to certify that Dr./Shri./Smt. -----
----- is a bonafied student of this college/regular faculty member of
this college. I further certify that He /She is participating as per norms of the Avishkar -Research
Convention 2017-18.

Name of the principal: _____

Signature
With seal

Place:

Date:

SANT GADGE BABA AMRAVATI UNIVERSITY

UNIVERSITY LEVEL STUDENT RESEARCH CONVENTION

“AVISHKAR – 2017”

Important Instructions for participants

The shortlisted candidates from STAGE-I (District Level) will have to submit their projects along with research papers and CD's to the Convener for their evaluation by subject experts and final selection of University team.

The selected team at STAGE-II will be entitled to present their projects at Inter-University (STATE) Research Competition AVISHKAR -17 to be held **during January 2018**.

An orientation cum guidance workshop of the selected candidates for STAGE-III will be organized on **9 & 10th** January 2018 to prepare the candidate for presentations at STAGE -III (State) level. At stage III level only one candidate/entry will participate.

PROGRAMME FOR STAGE -II

Day-1: 28th December 2017

Poster/Model display of research projects in the form of exhibition to be judged at elimination round by at least 3 eminent experts, in each category, who are acclaimed researchers in the respective disciplines which they are judging. The final selection of the projects is based on the cumulative weightage given all the criteria such as Scientific thoughts and principles, creativity, Thoroughness, skill, relevance, cost effectiveness, team work etc. The decision of judges will be final.

Venue: Seminar Hall, Department of Botany, SGB Amravati University, Amravati

Day-2: 29th December 2017

Oral presentation strictly by the participant/s of the selected/short listed research projects in each category which will normally be in the 8 minutes for presentation and 2 minutes for question and answers and not more than 10 in minutes in any case in each of the 24 categories.

General Instructions:

- The entries must be forwarded through principal/Head of the institution.
- Registration is compulsory for all participants. There will be no registration fee
- LCD facility will be provided.
- Exhibits will be displayed on 28th December 2017 from 9.00 am onwards.
- Participants will be allowed to exhibit only after the confirmation of their college /institute identity card.
- The shortlisted participants will have to make oral presentation of their research projects. So each team should come prepared for oral power point presentation of not more than 8 min duration which will be followed by questions and answers for 2 minutes.
- Size of exhibit (Poster or Model) should not exceed **1mx1m and there should not be any identification on exhibit.**
- The decision of subject experts/judges will be final and binding all participants.
- All winning teams will be informed about their selection on the same day.
- Certificate of participation will be awarded to all the participants.

sd/-
Dr.Ajay P.Deshmukh
Registrar

sd/-
Dr. Anand S.Aswar
Coordinator, Avishkar Cell