



पुणे विद्यापीठ  
पुणे - ४११००७  
महाविद्यालय व विद्यापीठ विकास मंडळ

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मा. प्राचार्य/ संचालक,  
पुणे विद्यापीठ संलग्न महाविद्यालये व  
मान्यताप्राप्त शिक्षण संस्था.

महोदय,

महाविद्यालय व विद्यापीठ विकास मंडळाच्या वतीने दिनांक २३ डिसेंबर २०११ रोजी घेण्यात आलेल्या पुणे विद्यापीठ स्तरीय आविष्कार संशोधन स्पर्धेतील कार्यशाळेसाठी निवड केलेल्या प्रकल्पांची यादी व नियमावली सोबत जोडली आहे. सदर कार्यशाळा दिनांक ५ ते ७ जानेवारी २०१२ दरम्यान पुणे विद्यापीठ परिसरात घेण्यात येणार आहे. कार्यशाळेचे सविस्तर वेळापत्रक लवकरच कळविण्यात येईल.

कळावे,

डॉ. रविंद्र जायभाये

विशेष कार्याधिकारी, म.वि.वि.म.

# **Guidelines for the workshop of ‘Avishkar-2011’**

**(5<sup>th</sup> to 7<sup>th</sup> January 2012)**

Research Projects and student competitors selected from University level Avishkar competition are recommended for the workshop scheduled at University of Pune during 5<sup>th</sup> to 7<sup>th</sup> January 2012 (Thursday – Saturday).

- The local hospitality will be provided to the participants during the workshop.
- All required basic infrastructural facilities pertaining to presentation of research projects will be made available by the University. For any special requirements, participants should inform the coordinator well in advance.
- The team members should carry the hard copy printout & **soft copy** of the poster with a presentation (power point format).
- Further the students are directed to carry two copies of recent and formal passport size photographs, Identity card of college and a copy of Secondary School Certificate (S.S.C) indicating date of Birth.
- During the workshop, two research projects from each category & level will be recommended for the ‘State level Avishkar 2011’ (scheduled at Shivaji University, Kolhapur during 13<sup>th</sup> to 15<sup>th</sup> January 2012) on the basis of quality by the experts mentors.
- As per the prescribed rules of inter University competition, from each shortlisted team only one candidate will be recommended for the state level Avishkar.

For all the above mentioned procedure, decision of judges will be treated as final and it will be binding on all participants.

*For any further details contact on: 020-25601263 or email on [osd\\_bcud@unipune.ac.in](mailto:osd_bcud@unipune.ac.in)*



**University of Pune,  
Board of College and University Development  
Project Recommended for Workshop of 'Avishkar-2011'**

**Humanities, Languages & Fine Arts**

Sr. No.	Code	Title of Project	Name of the College	Name of the Student/s
<b>UNDER GRADUATE</b>				
1.	HLA/UG/7	Ahmednagar Shahratil Mahavidyalayatil Vidyarthyancha Rajkiya Sahabhag	Ahmednagar College, Ahmednagar	Nimase Shital B. Shaikh Hasan Patel
2.	HLA/UG/9	Doppelganger in the Nobal : Lord of the flies	Ahmednagar College, Ahmednagar	Clistin Paul Jacob Samson Silvester Pareria
3.	HLA/UG/1 1	खेळातुन संभाषण	Sangamner Nagarpalika Arts, D. J. Malpani Commerce & B.N. Sarda Science College	Gunjal Madan Pandurang Shete Rahul Suhash
<b>POST GRADUATE</b>				
4.	HLA/PG/5	Functional Classification of towns in south Konkan: A geographical Approach	Ahmednagar College, Ahmednagar	Ingale R. V. Gund D. N.
5.	HLA/PG/8	Glimpses of life through eyes of literature	Baburaoji Gholap College Sangvi	Shah Urmi Prashant
6.	HLA/PG/11	Personality Correlates of Creativity among Performing Arts Students.	Department of Psychology, University of Pune, Pune.	Mira Sudhir Talathi
<b>POST PG (M.Phil/PhD)</b>				
7.	HLA/Res/1	A study of responsibility Index	KTHM College Nashik-02	Kulkarni Ashlesha A. Kshirsagr Hiramn M.
8.	HLA/Res/3	Land use mapping of Alluvial Fan: A case study of Binalod mountain zone of north eastern part of Iran	Ahmednagar College, Ahmednagar	Azam Hajiabadi
9.	HLA/Res/4	संस्कृत पठनातुन एकाग्रता व उत्साह संवर्धन	Sangamner Nagarpalika Arts, D. J. Malpani Commerce & B.N. Sarda Science College	Kulkarni Vidya Prabhaker Shukla Maya Bhalchandra
<b>TEACHER</b>				
10.	HLA/T/7	Application of GPS	Ramkrishna More ACS College Akurdi Pune 44	Dr.Tushar Anand Shitole
11.	HLA/T/10	An Experimental Study on Indian Traditional Sport- Kusti	Department of Physical Education, University of Pune.	Balkrishna D. Damle Kamble Santosh D.
12.	HLA/T/11	Deficiencies in English Language among primary school children: Assessment and improvement.	Department of Adult Education, University of Pune.	Dr. Navnath Tupe

**Commerce, Management & Law**

Sr. No.	Code	Title of Project	Name of the College	Name of the Student
<b>UNDER GRADUATE</b>				
1.	CML/UG/7	E - Waste Management	Ahmednagar College, Ahmednagar	Sachdev Manasi Agrawal Kirti
2.	CML/UG/14	Green Marketing	Bharatratna Dr.Ambedekar College Aundh, Pune	Sachin D Gaikwad Mahesh D Kamble
3.	CML/UG/15	Women's Saving Group Management System	Baburaoji Gholap College Sangvi	Waghmare Jayshee Eknathrao Navale Priyanka Bhalchandra
4.	CML/UG/17	C Accessories	Dr A.B. Telang Sr. College	Sachin M Panickar Mayur Ganesh Mandge
<b>POST GRADUATE</b>				
5.	CML/PG/3	Clinical information Management System	IBMRD, Vilad Ghat, Ahmednagar	Rashmi Ghate
6.	CML/PG/5	To study the process of quality control testing	Navjeevan Institute of Management Nashik.	Monika K Gupta
7.	CML/PG/7	Extended hierarchy of need	Samarth Group of institute	Gunjal Pratiksha Iaxman Unde Snehal Rajendra
<b>POST PG (M.Phil/ PhD)</b>				
8.	CML/Res/1	A Study of Skill Development Technique through Air media to teach ' Business Ethics)	Department of Commerce & Research Centre, University of Pune.	Balkrishna Digambar Damle
9.	CML/Res/2	Organic farming for sustainable Development	Department of Commerce & Research Centre, University of Pune.	Nitve Gnyandev Larmah
<b>TEACHER</b>				
10.	CML/T/1	Women Entrepreneurial cluster development programme for Nashik	Navjeevan Institute of Management	Khairerupali Jitendra
11.	CML/T/2	Implication of IT and AADHAR (UIDAI No)card for revenue administration	S.M.B.S.T. College Sangamner	Bachav Patil Shivajirao K
12.	CML/T/3	Knowledge Management	Prathaba College of commerce and Computer science Chinchwad	Rasika Patil
13.	CML/T/4	Brand Creation- Implications of Developing Image Building and Brand Identifying Through exhibition 'A case study of Bheem Thadee Jatra'.	Brihan Maharashtra College of Commerce, Pune.	Prashant V. Sathe

## Pure Science

Sr. No.	Code	Title of Project	Name of the College	Name of the Student
<b>UNDER GRADUATE</b>				
1.	PS/UG/5	New technology for production of electricity "Piezo Electric Effect "	KGDM College Niphad	Pandit Shirish Chandrabhan Kayastha Ajay Sudhir
2.	PS/UG/7	Automatic railway crossing using microcontroller 89C51	Pemraj Sarda College, Ahmednagar	Ninad Deo Anant Bhagwat
3.	PS/UG/8	Miracles of Robotics	New Arts, Commerce and Science college, Ahmednagar	Bahal Sneha S. Take Shweta K.
4.	PS/UG/16	Mobile switching & electric appliances	M.I.T.Arts comm. Sci College ,Alandi	Nadaf Mohammedazim Akbar Pooja More
<b>POST GRADUATE</b>				
5.	PS/PG/3	Solar operated Fridge	KTHM College, Nashik-2	Gangurde Devidas Rama Kasar Sagar Punja
6.	PS/PG/5	Recycling of waste tyre material	New Arts, Commerce and Science college, Sonai	Gaikwad Arvind G. Jadhav Vinod A.
7.	PS/PG/11	Solar Cell Based Power Supply for LAPTOP	Modern College, Shivajinagar Pune	Mangesh Dayaphule Sheetal Mohite
<b>POST PG (M.Phil/PhD)</b>				
8.	PS/Res/9	Optimization of Reaction Conditions ID Epoxidation of styrene over spinel Type Strontium substituted Calcium Ferrite (SrxCa1-xfc204)	Department of Chemistry, University of Pune	Pawar Ravindra Patil Ashokrao
9.	PS/Res/14	Low Cost Dye Sensitized solar Cell Using ZnO Photoanode and Eosin-Y as Sensitizer	Department of Physics, University of Pune.	Shubhangi Satish Khadtare
10.	PS/Res/15	Study of in vitro cultures of Dianthus caryophyllus for RN & Antiviral activity	Department of Botany, University of Pune	Soniya Khagale
<b>TEACHER</b>				
11.	PS/T/1	Development of scrolling alphanumeric display using P89V51RD2FN for five weather parameter	KKW College Nashik	Dandgaval Harshal
12.	PS/T/7	Protective .. air purifying Mask.	S.P.College, Pune	D.P.Mehendale Mandar Sardesai

**Agriculture & Animal Husbandry**

Sr. No.	Code	Title of Project	Name of the College	Name of the Student
<b>UNDER GRADUATE</b>				
1.	AAH/UG/2	Preservation of Perishable Fruits using Natural preservatives	H. P. T. Arts and R. Y. K. College, Nashik-5	Bendre Ajinkya Nitin Jadhav Pournima Mahesh
2.	AAH/UG/3	Wine production from Jamun and Ginger	H. P. T. Arts and R. Y. K. College, Nashik-5	Patankar Himanshu Vishwas
3.	AAH/UG/8	Innovative grain moisture measuring system	Sangamner Nagarpalika Arts, D. J. Malpani Commerce & B.N. Sarda Science College	Khatode Manashri Sureshrao Kakad Pallavi Kailas
4.	AAH/UG/9	Herbal Control of Mosquito Larva	JSPMS Charak College of pharmacy and research	Shinde Jyoti Shamrao Whankhade Sneha Chandramani
<b>POST GRADUATE</b>				
5.	AAH/PG/1	Deadly disease of Pomegranite: Bacterial blight	Karm.Abasaheb Alias N.M.Sonawane Arts,Commerce & Science College, Satana Tal-Baglan Dist-Nashik	Pawar Varsha P. Pawar Rekha B
6.	AAH/PG/2	Herbal cure for Cancer	KTHM College, Nashik-422002	Gandhi Armin A. Kardekar Kranti S.
7.	AAH/PG/5	Purification and characterization of antifungal compounds produced by <i>Lactobacillus casei</i> isolates from grapes.	T. C. College, Baramati	Sayyad Farzana M. Parkale Aarti S.
8.	AAH/PG/6	Improvement of Drought Tolerance in <i>Richinus Communis</i> by Indigenous Mycorrhizae	Biochemistry Division, Department of Chemistry, University of Pune.	Pranitha Natesan Swapnil Mahajan
<b>POST PG (M.Phil/PhD)</b>				
9.	AAH/Res/1	Bacterial blight disease of pomegranate plant in Nashik Dist & control measures	Karm.Abasaheb Alias N.M.Sonawane Arts, Commerce & Science College, Satana Tal-Baglan Dist-Nashik	Kelhe Archana Sudhakar Wagh Vinayak Prakash
10.	AAH/Res/2	Evaluation of semecarpus oil for the control of <i>Achatina fulica</i> (Bowdich)	KTHM College Nashik	Deore Sonali R.
11.	AAH/Res/4	Drought Siress Management with antioxidant rich organic formulation	Fergusson college, Pune	Yogesh Dushing

<b>TEACHER</b>				
12.	AAH/T/1	Awareness of Soil and water analysis for farmer in intensive agriculture (Sangamner Tahasil)	S.M.B.S.T. College Sangamner	Dr.Sangita Dandwate
13.	AAH/T/2	To study the anti oxidant capacity and total polyphenols content of commercially available in green Tea, Black Tea (Camelia Sinesis) Infusions & Herbals Form India	Baburaoji Gholap College Sangvi	Dr. Pardeshi Bharti M

### Engineering and Technology

<b>Sr. No.</b>	<b>Code</b>	<b>Title of Project</b>	<b>Name of the College</b>	<b>Name of the Student</b>
<b>UNDER GRADUATE</b>				
1.	ET/UG/12	Generic Text Summarizer using decision module	VIIT, Kondhwa,(BK), Pune	Nitish Uplavikar Tejas Yedke
2.	ET/UG/14	Development of PC based Instrument using Microwave Resonator for measurement of adulteration in Petrol	Maharashtra Institute of Technology, Pune	Nishant Mittal
3.	ET/UG/20	Photocatalytic application for reduction of Vehicular Air Pollution	Sinhgad college of Engg. Pune	Ashwini shetty Akshay Deshpande
4.	ET/UG/21	Harnesing wind power 'Wind Boom'	College of Engg. Pune	Hiray Udit Suroshi Sagar
<b>POST GRADUATE</b>				
5.	ET/PG/7	Image texture classification	Sinhgad College of Engg.	Tanvi Desai
6.	ET/PG/8	Real time human detection and tracking	Sinhgad College of Engg.	Tathe Swapnil V.
7.	ET/PG/12	Development of Zinc Alloy coating to enhance corrosion resistance for automobile application	College of Engineering Pune	Preeti Kurm Kendre Shrirang
<b>POST PG (M.Phil/Ph.D)</b>				
8.	ET/Res/2	Semi supervised Pattern based Intrusion Detection System	College of Engg., Pune	Khatavkar Vaibhav Pachghare Vinod K.
9.	ET/Res/3	Development of Artificial Intelligence Tool for Assessing the Volatile Price of Electric Power under Deregulated Environment	Pune Vidyarthi Gruha College of Engineering, Pune	Surekha Rajendra Deshmukh

<b>TEACHER</b>				
10.	ET/T/1	Experimental investigation of crack detection in cantilever beam	Amruitvahani college of Engineering Sangamner	Deokar Anand V.
11.	ET/T/3	Reducing end to end delay in V2V communication (Information hiding in Video)	Maharashtra Academy of Engineering, Alandi	Asha Choudhari
12.	ET/T/4	Changing housing types	BKPS College of Architecture Pune	Parag Narkhede

### Medicine & Pharmacy

<b>Sr. No.</b>	<b>Code</b>	<b>Title of Project</b>	<b>Name of the College</b>	<b>Name of the Student</b>
<b>UNDER GRADUATE</b>				
1.	MP/UG/9	Design, formulation, optimization and evaluation of Aloe-vera jelly chocolate	PVP Pharmacy college, Vilad Ghat, Ahmednagar	Bhoi Pradip A. Kasar Dipak S.
2.	MP/UG/10	Protein digesting bacteria with multiple applications from GI trade of mosquito fish Gambusia affinis	Sangamner Nagarpalika Arts, D. J. Malpani Commerce & B.N. Sarda Science College	Joshi Vrunda Subhash Suryavanshi Avinash Madhuker
3.	MP/UG/12	Application of Latex and Leoues of Calotropis proceria	RBNB college Shrirampur	Salalker Archana Take Poonum
<b>POST GRADUATE</b>				
4.	MP/PG/9	Developing a economical herbal health supplement Containing : Micronutrients, Immunomodulator, Nutrition and Fibre	STES Smt.Kashibai Navale College of Pharmacy, Kondhwa, Pune.	Marakana Urvashi V Pachade Amol R
5.	MP/PG/10	Solid Lipid Nano particles of Ondansetron HCL for Intra nasal drug Delivery system: Development optimization and Evaluation	Rajarshri shahu College of Pharmacy & research, Tathawade pune 33	Tejas B Devkar Rucha M Ketkar
6.	MP/PG/15	Formulation and Evaluation of once daily sustained release Tablet of Aceclofenac using psyllium Husk	R.G. Sapkal College of Pharmacy, Ajneri, Nashik.	Zalte Amar G Deore Chetan S.
<b>POST PG (M.Phil/PhD)</b>				
7.	MP/Res/5	Pharmacological evaluation of polyherbal formulation BSLISO for Antidiabetic activity	P.D.E.A's Seth Govind Raghunath Sable College of Pharmacy	Undale V. R.
8.	MP/Res/6	Biodegradable 3D bone scaffold and New Bioreactor for Bone regeneration and Reconstructive surgery	Padm. Dr. D.Y. Patil institute of Pharmaceutical science and research.	Badhe Ravindra V.



9.	MP/Res/8	Design Synthesis and Biological Evaluation of Some Uracil Derivatives as antitubercular Agents.	AISSMS College of Pharmacy, Pune	Chitre Trupti S.
10.	MP/Res/9	Novel...Design	Sinhgad College Pharmacy	Mandalik S.K. Ravindra Chavan
<b>TEACHER</b>				
12.	MP/T/3	नैसर्गिक वनस्पती रोगावरील औषध शास्त्र उपाय	SSK College ,Kolpewadi (Sushila mai Kale college)	Shaikh Sikander Usman
13.	MP/T/6	Novel Nano-dimensional Beacons for Diabetes theragnostics	STES Smt.Kashibai Navale College of Pharmacy, kondawa	Dr. Gourishankar R. Aland Dr. Sanjay D. Sawant