



DEPARTMENT OF BIOTECHNOLOGY
Ministry of Science & Technology

Workshop on Research Based Pedagogical Tools (RBPTs) for Teachers of Undergraduate Science and Mathematics Courses

6-9 October, 2017

At Human Resource Development Centre (HRDC), Pt. Ravishankar Shukla University, Raipur, Chhattisgarh

Pt. Ravishankar Shukla University, Raipur, jointly with Department of Biotechnology and the British Council, is organizing a three-day pedagogy workshop for undergraduate science teachers from 8-11 October, 2017.

This is a great opportunity for professional development for all teachers from states of Central India as Chhattisgarh, MP, Telangana, Odisha and others and it's a chance to them to interact with their counterparts from various colleges and education experts from India and learn from each other's experience. We urge you to utilize this opportunity. From the tools developed during the workshop, scalable tools that could be deployed by other teachers will be identified and added to a national database. Selected participants will also get to participate in a Level 2 workshop later, that will focus on making them trainers for conducting similar trainings at local level.

Target Group: The workshop is meant for teachers of all disciplines such as physics, chemistry, mathematics, biology and earth sciences. It will introduce participants to research-based pedagogical tools that focus on the process of science rather than facts. It will be a hands-on workshop with participants preparing their own teaching tools in groups and reviewing those of others. The teachers will also get an opportunity to share their own teaching innovations with their peers and experts in the field.

Resource persons: The workshop will be conducted by a team of trainers from the Sheffield Hallam University, UK and Indian experts from the area of education and policy.

Eligibility Criteria: Teachers teaching in government or government-aided colleges with either a master's degree with 10 years of teaching experience or a PhD degree with 5 years of teaching experience are eligible to apply. Interested teachers are requested to

apply online at the link given below. A short 'Statement of Purpose' about why they would like to participate in this workshop and whether/how they would like to be involved in spreading this pedagogical innovation among their peers later, must be submitted with the online application. The organisers will select 150 teachers from the nominations/applications received. Selected candidates will have to submit scanned copies of supporting documents (Recommendation from the Principal/Head of Institute/Proof of PhD Degree) once they are selected. The college is also expected to support the participants in this activity.

Accommodation and TA: All participants will be provided food and accommodation at Pt. Ravishankar Shukla University Campus. There are no charges to the participants selected for this workshop. Funds permitting, TA will be given to all participants.

How to Reach: The University is well connected with the rest of the country by rail, road and air. A large number of trains operate on the train route to Raipur on a daily basis, ensuring a strong connectivity with all major cities in India. The distance from Nagpur to Raipur by road is 300 kms.

Weather: In January weather in Raipur will be moderately cold. Participants are advised bring warm clothes.

Principals may send their nomination to the dedicated email id:

For any Query and Clarification please contact us at:

Email: trainingprsu@gmail.com



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MHRD

Pandit Madan Mohan Malaviya National
Mission for Teachers and Training



Certificate of Appreciation

This is to certify that Mr./Ms. *Dr. Sanjay Tiwari, Co-ordinator* from *Pt. Ravishankar Shukla University, Raipur, Chhattisgarh* had volunteered at the **STEM Teacher Training Workshop on Research Based Pedagogical Tools** held at Pt. Ravishankar Shukla University, Raipur, Chhattisgarh from 6th – 9th October 2017. We highly appreciate his/her contribution in making this workshop a success.

The workshop was jointly sponsored by the Department of Biotechnology (DBT), Govt. of India; Newton Bhabha Fund of the British Council; Center of Excellence in Science and Mathematics Education, IISER Pune (supported by the Ministry of Human Resource Development, Govt. of India) and Pt. Ravishankar Shukla University, Raipur, Chhattisgarh. It was conducted by a team of experts from the Centre for Science Education, Sheffield Hallam University, UK.

Co-ordinator, on behalf of all organisers

Prof L. S. Shashidhara
FNA, FASc, FNASc,
Professor and Coordinator
Centre of Excellence in Science and Mathematics Education,
IISER Pune