



KARNATAKA JNANA AAYOGA

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**Karnataka Jnana Aayoga**  
**(Karnataka Knowledge Commission)**  
**Government of Karnataka**

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**Bangalore University**  
**Bangalore**

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**Workshop on**  
**‘Assessing Technologies for Higher Education’**

**Date: June 16-17, 2015**

**Venue: Jnana Jyothi Auditorium, Central College Campus, Bangalore University, Bangalore**

**ABOUT KARNATAKA JNANA AAYOGA (KJA)**

- Karnataka Jnana Aayoga (KJA) ([www.jnanaayoga.in](http://www.jnanaayoga.in)) was first established in September, 2008 for 3 year term and since then has been re-constituted for subsequent periods. The present Karnataka Jnana Aayoga (KJA) has been formally notified on December 28, 2013 and started its full-time functioning from March, 2014 onwards. As an independent professional-expert body, KJA Members bring new ideation, undertake extensive brain-storming and wide consultations on important and relevant issues for the state’s development and make specific actionable recommendations to government.
- The main aims and objectives of the present KJA are to recommend actions for institution building, policy innovation and excellence in the field of education, health, S&T, industry, entrepreneurship, research and innovation, traditional knowledge, agriculture, E-Governance, rural development and ANY other relevant areas. Tasks of KJA are mainly “proof-of-concept” and get defined/formulated, either through internal discussions within KJA – mainly issues of public/societal/technological and knowledge relevance for the state OR are identified through interactions with GOK departments – mainly issues of governance and development in the state. KJA tasks are “anchored” with one or more departments of GOK – so that after proof-of-concept stage by KJA, any executive implementation can get effectively coordinated by relevant departments of GOK.
- KJA has already submitted 3 specific recommendations/reports to the government – one, for establishment of Karnataka-GIS (through IT/BT Department); two, for establishment of Cauvery Gallery in Mysore University (through Tourism Department) and three, for establishment of a Biodiversity Park at Madivala Lake (through Forest and

Environment Department). In addition, KJA is in the process of formulating recommendations for a Karnataka Sports Policy, Karnataka Skill Development Plan, Education Technology usage and Edusat Utilisation in HE institutions of the state, developing a unique Nursing Training Simulator, studying archaeological sites using Remote Sensing and GIS, arts administration and management and study for digital archive of heritage and culture in state etc.

## **BACKGROUND**

KJA constituted a **Task Group on Educational Technology for Higher Education in Karnataka and EduSat Utilisation Review** under the co-chairmanship of **Dr. B. N. Suresh**, Former Member, Space Commission and Former Director, Indian Institute of Space Technology and **Dr. P. Balakrishna Shetty**, Member, KJA and Vice-Chancellor, Sri Sidhartha Academy of Higher Education. The Task Group has recognised the goal must be to see how present education technologies is best adapted/assimilated to effectively improve and modernize the education system in the state at the university level and it is important to utilize the most suitable, effective and efficient technologies that can mesh with the existing educational system in the State.

To assess and to evaluate the educational technologies of the State, Task Group is convening series of consultation in collaboration with the State Universities. The TG along with University of Mysore has conducted its first workshop to understand the present levels of technology usage, including EduSat in higher Education Institutions in Karnataka and learnt from best practices, experiences and case-studies where challenges and gaps in usage of technology.

**With above background, to understand and study the educational technologies available and determine their relevance for higher education in the State, KJA has associated with Bangalore University to organizing a two day Workshop on ‘Assessing Technologies for Higher Education’.**

## **ABOUT BANGALORE UNIVERSITY (BU)**

- Bangalore University ([www.bangaloreuniversity.ac.in](http://www.bangaloreuniversity.ac.in)) is a public State university located in city of Bangalore in the State of Karnataka. Bangalore University took birth in the year 1964 with only 32 colleges and a student population of 16,000. Today, it is one of the largest Universities in the country and in Asia with about 700 affiliated colleges and a student population of about 4.00 Lakhs. It has about 50 post-graduate departments which offer around 75 PG Programmes. The University has 6 specialized Centres and 3 integrated Programmes. It has also 3 constituent colleges – UVCE, University Law College & University College of Physical Education. It has completed 50th year of its fruitful existence. I can say with legitimate pride that the University has achieved far

more than just the modest target set at the time of its inception by producing a trained human resource to serve the country in all walks of life and by contributing to the knowledge base.

- Bangalore University has introduced Choice Based Credit System in all its Under Graduate and Post Graduate programmes, with multiple exit options with multiple degrees in the faculties of Arts, Science and Commerce effective from the academic year 2014-15. For multifaceted development of students, curriculum emphasizes on wide variety of courses to enhance their knowledge in several core courses. Thus the present Post Graduate programmes in subjects have been restructured to implement the Choice Based Credit System Scheme and to introduce an exit option with Honours Degree in the subjects at the end of 1st year of 2nd year PG Programmes, provided the candidate has studied that subject in all the three years of that Under Graduate Programme. The successful completion of II year of the Post Graduate Programme would lead to Masters Degree in the subjects. The restructured Choice Based Credit System scheme makes the product of University at par with the Global practices in terms of academic standards and evaluation strategies, retaining structures of the present Under Graduate & Post Graduate Programmes.
- Bangalore University is ranked No. 15 among the top 50 Universities in India as per Hansa Research Survey 2014 (published in The Week June 2014). The same survey ranks the University at 5 of the Top 10 Government Universities in South Zone. India Today (June 30, 2014) Ranked Bangalore University at No. 11 among the top 45 Universities in India.

### **SCOPE AND OBJECTIVES OF THE WORKSHOP**

While technology can significantly contribute towards efficient and effective education at university level, the importance of teachers/faculty and formal class education systems also must be recognized, in the larger contest of the education environment in the State. Application of modern education technology in continuing education will be a driving force to continuing education innovation. Technology and education are a great combination if used together with a right combination and vision.

Smart mobile devices, social networking, virtual classrooms, identity management systems, faculty evaluation systems, data analytics and array of educational technologies have taken education to all new heights—both within and outside the classrooms. Assisting these learning methods is a multitude of smart devices, which were earlier considered as distractions for students. But the very devices are now leading way for immersive learning. There are array of such technologies that are changing education landscape for good. Now the teachers have

better instructional tools, administrators have better management tools and students have better learning tools. Behind the scenes are group of companies that are fueling this educational transformations through their innovative technological solutions which need to be utilized and addressed and make utilize for betterment of education sector is great need of the hour.

Apart from addressing and discussing education technologies, the Workshop will also attempt to focus:

- To address the educational technologies available in the market place and determine the relevance for higher education in the State
- Review technological tools to learning outcomes to be used to get students to interact with course content in an engaging and productive fashion
- To analyse range of technology-enabled assessment (e-assessment) options that are available for the design, delivery and administration of required assessment activities in an education sector
- To create a platform which enable real time interactive environment between industries and teacher community which can interactively raise and answer questions using educational technologies
- To foster collaboration not only end-users, but cross-platform which encourage rapid innovation and content sharing to ultimately benefits all stakeholders
- Obtain inputs on way forward for most suited technology upgradation and faculty involvement process

#### **EXPECTED OUTCOME OF THE WORKSHOP**

Based on the inputs provided by the delegates/invitees, the TG would assess/evaluate the various educational technologies available and their efficacy. Experiences of faculty in usage of the technologies will also be assimilated. High-level Panels would deliberate and discuss on future methods of technology assimilation, including satellite based education and IT. The Workshop would make recommendations that TG would consider and which would form a part of its overall recommendations.

There would be ample opportunity for delegates to interact and network and engage in focused debates and discussions.

The draft programme and sessions of the Workshop is given in this note.

## **WHO SHOULD PARTICIPATE**

The workshop invites participation from all education experts – from higher education institutions in the State, from government agencies associated with education systems, key industries involved in education technologies, other related institutions etc.

Participation is by registration. **For more details, please contact:**

### **Dr. Viraj Kumar**

Professor, Dept. of Information Science Engineering

And

Member-Secretary, TG on ET-EUR

Mobile: +91 8088002595

Email: [viraj.kumar@pes.edu](mailto:viraj.kumar@pes.edu)

### **Prof. B. C. Prabhakar**

Director

Internal Quality Assurance Cell

Bangalore University, Bangalore

[iqac@bub.ernet.in](mailto:iqac@bub.ernet.in);

[bcprabhakar@rediffmail.com](mailto:bcprabhakar@rediffmail.com)



## PROGRAMME SCHEDULE

The following is the tentative programme:

Time	Event	Speakers
<b>Tuesday, June 16</b>		
9.00-10.00	Registration & Tea/Coffee	
10.00-11.00	<b>Inaugural Session &amp; Introduction to Conference Themes</b>	<b>Chief Guests: Hon'ble Minister Higher Education, Dr. K. Kasturirangan, Sri. Bharat LalMeena, Dr. B. Thimme Gowda, Dr. B.N. Suresh, Dr. P.B. Shetty</b>
11.00-11.30	Tea/Coffee	
11.30-12.30	<b>Session 1: Technologies for Content Generation &amp; Management</b>	Focus on easy-to-use tools for authoring & editing e-learning content
12.30-13.00	Open Discussion	
13.00-14.00	Lunch	
14.00-15.00	<b>Session 2: Educational Content Delivery Technologies</b>	Focus on delivering e-content (a) in classrooms (blended), and (b) direct to students
15.00-15.30	Open Discussion	
15.30-16.00	Tea/Coffee	
16.00-17.00	<b>High Level Panel 1</b>	<b>TBD</b>
<b>Wednesday, June 17</b>		
9.30-10.30	<b>Session 3: Technology for Examinations &amp; Administration</b>	Focus on Creating & Evaluating examinations, other administrative tools
10.30-11.00	Open Discussion	
11.00-11.30	Tea/Coffee	
11.30-12.30	<b>Session 4: Interactive Learning Environments (Virtual Labs/Classrooms)</b>	Demonstrations of products
12.30-13.00	Open Discussion	
13.00-14.00	Lunch	
14.00-15.00	<b>Open House Discussion</b>	
15.00-16.00	<b>High Level Panel 2</b>	
16.00-16.30	Wrap-up Session	<b>Dr. B. Thimme Gowda, senior TG representatives</b>
16.30-17.00	High Tea; Survey Forms	