



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

MONTHLY REPORT ON KJA ACTIVITIES – MAY AND JUNE, 2016

A] MAJOR HIGHLIGHTS

- **6th Meeting of KJA:** KJA held its 6th meeting on June 15, 2016 under the chairmanship of Dr. K. Kasturirangan, Chairman, KJA. Sri. T.B. Jayachandra, Honourable Minister for Law, Parliamentary Affairs & Higher Education, GoK graced the meeting with his presence. A quick review of the status of 19 KJA Actions that have been initiated was undertaken. Honourable Minister appreciated the work of the KJA and mentioned that KJA is helping the Government in various areas and bringing very high-quality ideas and inputs in key sectors - education, health, GIS, IT and many others. 3 important agenda were covered in the 6th Meeting:
 - KJA considered the draft KSEP that had been finalised by the TG and noted that the KSEP draft has also been presented/discussed with Hon'ble Ministers of HE and PSE, respectively. KJA Members noted the suggestions/inputs of the Ministerial Review of KSEP and also discussed the draft recommendations of TG-KSEP in detail. KJA Members offered various inputs and suggestions - on pre-school education, teacher education, medium of instruction at schools, language at schools, standardisation needed in school education, quality of school education, governance structure for education sector, financing and cost recovery aspects, curriculum, relevance of vocational university etc. KJA suggested to TG-KSEP to consider the various points put forth in the meeting and update the KSEP draft.
 - Report of TG on Educational Technology for Higher Education in Karnataka and EduSat Review (ET-EUR) was once again discussed – even as it has been formally been approved and submitted to GoK. KJA noted that the TG EUR recommendations are already been considered and acted upon by GoK.
 - TT on Skill Development Plan presented the draft skill development report. KJA noted that skill actions have been identified on the estimated labour demand and supply till 2030 in select 8 sectors. KJA noted that the present consideration of 8 sectors only covers 20-30% of organised labour sector and remaining 80-70% of unorganised sector has not been covered by the TT. KJA Members deliberated on proposed recommendations, especially on setting up of vocational university and on structuring a Skill Ministry/Department. KJA Members gave numerous inputs/suggestions to TT. KJA suggested that TT to consider the inputs and appropriately incorporate into draft TT report. It was agreed that the TT-Skill report would be considered again in another meeting of KJA.
- **Consultation Meeting with Hon'ble Minister for HE on Karnataka State Education Policy:** Chairman, KJA held a consultation meeting with Honourable Minister for Higher Education, GOK on June 2, 2016, to brief and obtain his inputs on draft KSEP. Honourable Minister mentioned that Education is a top priority for the Government and focus needs to be on improving school-level education and enhancing higher education quality and outreach. Specific inputs were provided by Hon'ble Minister regarding school education, teacher improvement, curriculum, higher education, organisational structure for Education etc.
- **Consultation Meeting with Hon'ble Minister for PSE on Karnataka State Education Policy:** Chairman, KJA held a consultation meeting on June 10, 2016, with Honourable Minister for Primary and Secondary Education, GOK to brief and obtain his inputs on draft KSEP. Hon'ble Minister for PSE

appreciated the efforts of KJA in drafting the KSEP and mentioned that Karnataka has been actively involved in the national efforts of preparing the New Education Policy. Honourable Minister suggested few critical points for KJA to consider in the context of KSEP – especially on a mission-drive to improve government schools, language formula, medium of instruction, organisational structure, facilities in govt. schools, teacher augmentation etc.

- **Review Meeting on TG-KSEP draft:** Chairman, KJA and Member Secretary, KJA held a review meeting on May 30, 2016 with Co-Chairs, Member Secretary of TG-KSEP to discuss the draft KSEP. Important suggestions on Language Policy; Remedial Education under No-Detention with the involvement of HM-Class Teacher-Parent on Child's learning outcome; Cost Recovery & funding in Higher Education; entry of Mid-career professional to teacher profession; proposing one single-independent body for entire Education like Karnataka Education Commission were thoroughly discussed and suggestions were made. TG-KSEP agreed to incorporate these points, appropriately.
- Chairman, KJA delivered a key note address at the workshop on 'Bring back the Lakes,' jointly organised by KLCDA, Department of Forest, Environment and Ecology and CII, Bengaluru, on June 13, 2016. In his address, he highlighted KJA's recommendation on establishing Biodiversity Park at Madiwala lake. He emphasised on the need for reviving urban lakes to enhance the quality of life.
- Chairman, KJA held a meeting on May 13, 2016 to **review Nursing Training Simulator** project. The project status and progress was presented by IISc team. It was suggested that the NTS proto-types must now get ready in next month or so for trials. The testing could be done in Narayana Hrudayalaya and Jayadeva and based on the evaluation, the NTS must be finalised. It was also decided the meeting that an external review of the project be undertaken.
- Chairman, KJA has again written to Principal Secretary, Dept. of Health and Family Welfare on the KJA Recommendation on 'Advancement of healthcare at local levels using traditional knowledge in sync with modern database and analysis (Pilot project to develop a local medicinal plants herbal pharmacopeia on an ICT platform) for consideration by HFW department for implementation.
- Member Secretary, KJA attended a meeting with CS, GoK and PS, IT/BT to discuss on the Draft Geospatial Information Bill that MHA has put up for consultation. It was agreed that state GIS needs and activities must be dealt with differently as it is a public good and state good activity. At the suggestion of CS, GoK, the concept of a Karnataka Geospatial Agency (KGA) was discussed – CS, GoK suggested that present KRSAC could be upgraded to KGA with focus on K-GIS.

B] IMPORTANT MEETINGS & ACTIVITIES

- **KJA Task Group on Machine Intelligence** undertook following activities:
 - Organised one-day workshop on Fostering Innovation in Data Science: Critical Areas and Critical Issues. Chairman, KJA outlined the scope and importance of Machine Intelligence in the larger context of national development and future Informatics. Principal Secretary, Department of IT, BT and S&T spoke on the area of science, technology and innovation. Sessions were held on Smart Cities; Technologies for Massive Online Education; Legal Issues in Data Science and on Data Science in Action. Speakers from IBM, Xerox, Google, Microsoft, GE, Flipkart and Strand Life Sciences shared their companies work in the area of data science.
 - TG Co-chair and Member Secretary, KJA held an internal a meeting on May 16 to discuss on the overall activities of the TG. Issues relating to May 27 workshop, proposed national workshop and TG report structure were discussed. Member Secretary, KJA suggested that the TG must involve government officials/representatives in its workshops/conferences. With regard to TG report structure, Member Secretary, KJA mentioned that the report must include concepts of

MI and various elements of MI; learnings from TG workshops/conference; importance of MI to Karnataka; MI in Governance, in Education, in Enterprises/business and for citizens; policy directions for MI and Policy recommendations. Co-Chairs of TG mentioned that issues of developing skills in the data science/analytics must be included.

- TG held its 3rd meeting on June 20, 2016. TG reviewed the status of 1st and 2nd TG meeting actions and outcomes of workshop on Fostering Innovation in Data Science: Critical Areas and Critical Issues held on May 27, 2016. Discussions were held on creating Open Data, Data Science Curriculum, set up an Advanced Centre on MI etc. The term of the TG has been extended upto November 2016.

- **Task Force on Karnataka Public Health Policy: Following are some salient tasks:**

- Sub-Committee on Health Ombudsman held its second meeting on June 1, 2016. Multiple perspective of a health ombudsman was discussed and it was decided to amend KPMEA act.
- Third Meeting of Sub-Committee on Quality Systems was convened on June 16, 2016. Draft report of the sub-committee was discussed in the meeting.
- First meeting of Sub-Committee on Procedural Costs was held on June 16, 2016. The study on Procedural Costs is to compare actual cost of package as compared to government scheme rates. The template on the study and data analytical models was discussed in detail.
- Third meeting of Sub-Committee on Access to Affordable Medicines scheduled on June 20, 2016 to discuss on the draft report prepared by the Sub-Committee.
- First meeting of Sub-Committee on Technology held on June 29, 2016 via conference call. The following issues were discussed – patient health record, Health Information Systems, Homecare, Telemedicine, Medical Devices and Mobile Apps for Health care feedback mechanism.
- TF inducted Dr. Radha Murthy of Nightingales Medical Trust, as a Permanent Invitee to the Task Force on Karnataka Public Health Policy vide a KJA Order issued on June 3, 2016.
- The term of the TF has been extended upto September 2016.

- **Study Group on UAS Technology, Application and Policy:** The following tasks were undertaken:

- SG Sub-Committee on UAS Policy held its first meeting on May 10, 2016. The draft policy and regulations on UAS prepared by the Sub-committee and the draft guidelines for obtaining Unique Identification number and Operation of Civil Unmanned Aircraft System (UAS) prepared by DGCA were discussed in detail.
- Third Meeting of Study Group was convened on May 19, 2016. Progress of the three sub-committees of the SG – UAS Policy, UAS Technologies and Applications, UAS in Higher Education and status of the demonstration projects of UAS were discussed. SG also discussed on the importance of holding a 1 or 2 day workshop to bring together government/industries/academia/NGOs on a common platform to engage them for UAS utilization, to create larger application awareness, (industry engagement) for demo and to provide tremendous perspective on technology, application needs, education and research.
- SG reviewed the draft guidelines on Civilian Operations of UAS prepared by DGCA and formally submitted its inputs/comments to DGCA on May 21, 2016 with the approval and under the signature of co-chairs of the SG.

- **KJA Sports Policy** Consultation by Department of Youth Empowerment and Sports: Under the *chairmanship* of Honourable Minister for Youth Empowerment and Sports, a meeting was held to discuss on the pros and cons of implementing KJA recommendation on Sports Policy. Over 30 sports association/federation heads/representatives attended the meeting. TG-Sports Policy Members - Ms. Ashwini Nachappa and Mr. Hakimuddin Habibulla represented the TG at the meeting and mentioned that the KJA Sports Policy recommendations are arrived after series of TG meetings and consultations. Now, specific programme/scheme development is the prerogative of the Department.

Honourable Minister mentioned that the KJA recommendation are being further widely discussed/reviewed and after receiving any feedback/comments from all the stakeholders, the Department would finalise the programmes/schemes for the Sports Policy.

- CEO, KLCDA and Member Secretary, KJA held a meeting on May 31, 2016 to discuss on the issues relating to **implementation of Madiwala Biodiversity Park project**. Member Secretary, KJA suggested to KLCDA to plan for a formal inaugural function to start off the Biodiversity Project. KJA's perspective on CSR model of Lake Development and KJAs initiatives with regard to State Water Policy was also discussed. It was noted that KLCDA is also considering partnering with industries for bringing in CSR funds for lake conservation in the city and sought the support of KJA to further its initiatives on bringing in CSR funds for lake conservation.
- Member Secretary, KJA met ACS, Higher Education and Principal Secretary, Primary and Secondary Education on May 31, 2016 to discuss on the draft TG Recommendation on KSEP and on the proposed meetings with Hon'ble Minister for Higher Education and Hon'ble Minister for Primary and Secondary Education in the first week of June 2016.
- Member Secretary, KJA met Principal Secretary, DYES on May 24, 2016 to discuss on the KJA Sports Policy. Principal Secretary briefed on the Sports Policy meeting held on May 20 under the chairmanship of Honourable Minister for Youth Empowerment and Sports. He mentioned that the Department has requested for written comments from the heads of the sports federation/association on draft Sports Policy. DYES would review the policy in the light of the comments/feedback. Member Secretary, KJA expressed KJA support to DYES in its endeavours to implement KJA Sports Policy recommendations.
- University of Mysore submitted its proposal to establish a 'Centre of Excellence in Design and Manufacture of Wood based Handicrafts' – this proposal is based on the concept proposed by Prof. Nazeer Ahmed, KJA Member and endorsed by KJA. KJA will now consider the proposal.

C] KJA SECRETARIAT ACTIVITIES

- KJA Secretariat met Director, Advance Center for Integrated Water Resources Management (ACIWRM) on May 26, 2016 to discuss on the constitution of joint (KJA-ACIWRM) Task Group on Water Policy – this has been suggested by Department of Water Resources.
- KJA Secretariat participated in the meeting on June 3, 2016, called by ACS, Department of Higher Education, to review the status of implementation of KJA recommendations (first phase) on higher education. Representatives of State owned universities updated on the status of implementation of KJA recommendations in their respective universities. Universities were asked to submit a status report to Department of Higher Education.
- KJA Secretariat has continued coordinating with Karnataka Lake Conservation and Development Authority (KLCDA) for implementation of Biodiversity Park at Madiwala project. KLCDA has appointed Prof. C.R. Babu as the Project Advisor to provide technical guidance to the staff of KLCDA in implementing the project.
- KJA Secretariat attended the workshop on 'Remote Sensing and GIS for Cultural Heritage' held at NIAS on June 18, 2016. The outcomes/findings of the KJA project on 'Cultural Heritage of Karnataka: A Remote Sensing and GIS Perspective' were presented before the archaeologists, remote sensing experts and other stakeholders. The project has been extended upto July 31, 2016.



- Coordinated issuing of office Order for re-extending the term of TT on Arts Management Strategy. The term of the TT is re-extended upto August 31, 2016.
- KJA received Bank Guarantee Bond from MPES, for KJA SO on 'Preparing Students for Research Training: A Pilot Study on Environment Pollutants in the Konkana Belt.' Based on this, first instalment towards MPES was released, as per KJA SO terms.
- KJA Secretariat coordinated the visit of Executive Director, NCSM to Mysuru on the work of Cauvery Gallery.

Mukund Rao
(Member-Secretary, KJA)
July 8, 2016

To,

- All KJA Members

Cc:

- Personal Secretary of Hon'ble Minister for Higher Education – request to bring this to attention of Hon'ble Minister
- Chief Secretary, GoK
- Additional Chief Secretary, HED, GoK
- Principal Secretary, Department of Finance, GoK
- Members of all KJA TG and TT