



# PAÁDI PÀGÁDÀ «eÁÉÀ Ávñ vÀvÀzÁ a Áqñà

EArAiEi Efìnl Æmii D¥s , Ei, .. ÁUÀgÀ - 560012

«eÁÉÀ Ávñ vÀvÀzÁ a Áqñà PÀgÀ - AAEoÀ a Ávñ



«eÁÉÀ Ávñ vÀvÀzÁ - ÁSÉPÀÁDI PÀgÀ

gÁdÀ a Ái ØÀJgqÈÁiÀ

«eÁÉÀ Ávñ vÀvÀzÁ - PÈÁ - 2011

«µÀiÀ:

«eÁÉÀ Ávñ vÀvÀzÁ - ÁSÉPÀgÀ

a Áqñà, ÁyÀk®zAC©uÁyÉyAgA©PÀgÀ

CEAPÀ 26 – 28 a Á 2011

, Á eÉJ Ei. mÁmÁ , ÁSAUÀ, EArAiEi Efìnl Æmii D¥s , Ei, .. ÁUÀgÀ

PÀfPÀ a Ávñ CyðPÀ .. ÁPÆt, SqMÈa a Ávñ gPgm ÆØ®Eí PÈUÁj PÀ CØPÌCp  
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UÄt a Ái ØPEB GvPÀUÆ½, a ÁzÀ EaÅMÀa Árì GzÀ±P ÁvgñzÉ , ÁyÈE®UMÀ, wVÀaMPE  
PÈ±PÀ vÀAwPE EaÅMÀP è , b2AAiÀ ÁV «eÁÉÀ a Ávñ vÀvÀzÁ , ÆPÌ C1PÀPÀiÀ a ÁE®PÀ  
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¥ÁvñPEB è «eÁÉÀ a Ávñ vÀvÀzÁ C1PÀPÀiÀ a ÁE®PÀ F GzÀ±P ÈB , ÁCü, a Á  
¥ÁvñPEB vÉeqñzÉ F nÈP è a ÁqñAiÀ oPàAgA ÁiÆÆdEUMÆB PÈUÆargÀa ÁzÀ C®zÉ  
CáÅMÆB ¥ÁvñPEb OAvçAzÀ ¥çtØ PÀAIÖgÆYPE vÀçzÉ

PÈÁDI PÀ gÁdÀ , PÀgÀ «eÁÉÀ a Ávñ vÀvÀzÁ E - ÁSÁiÀ, gÁdizP è «eÁÉÀ a Ávñ  
vÀvÀzÁ 2PÀ a Ávñ , Á±ÆÆzÆiÆB GvÀf , a Árì GzÀ±P AZÀ «eÁÉÀ a Ávñ  
vÀvÀzÁ zÁ±DxPÀ , PÀEoÀ (VGST) JAS , PÒA a ÁqñAiÆB , ÁU, 1zÉ gÁdizP è «eÁÉÀ  
a Ávñ vÀvÀzÁ 2PÀ , a ÁMÀ a ÁéØPÀ a Ávñ vÀAwPE C1PÌUÆB ¥çgÆ, PÀ, F , PÒA  
a ÁqñAiÀ SøAArì ¥Ávñ , ÁwzÉ

PÈÁDI PÀ gÁdÀ «eÁÉÀ a Ávñ vÀvÀzÁ a Áqñ, «eÁÉÀ a Ávñ vÀvÀzÁ zÁ±DxPÀ , PÀEoÀ  
a Ávñ «eÁÉÀ a Ávñ vÀvÀzÁ E - ÁSÉ PÈÁDI PÀ , PÀgÀ - F a ÁEgÆ , a ÁMÀ dAnAiÀÁV,  
26 – 28 a Á 2011gÀzÀ EArAiEi Efìnl Æmii D¥s , Ei, .. ÁUÀgÀ E ° Eí eé J Ei.  
mÁmÁ , ÁAAUÅtzP è «eÁÉÀ a Ávñ vÀvÀzÁ PÀvÀzP è a ÁE PÀ , ÁyÈE®zÀ CØPÌCUE  
¥AgA©PÀ PÀUÅ» JAS «µÀiÀzÀ SUE gÁdPÀl ØÀJgqÈÁiÀ «eÁÉÀ a Ávñ vÀvÀzÁ

„Páia Á±pem DAIÉAF1ZÉ F aÍEZPÁ „, Álbgá Cöpíciúáv «eÁÉA aÍvñu vAvbélzà Š14Pé JAS «muiažà ŠUÉ gÁdá aÍl Óz aÍEZPÉAIA „Páia Á±pem Pmízà aÍl DAIÉAF, Ávvnú

F „Páia Á±lzp è Zlað, Ávñu aÍMáRá «muiaukazjé:

- «eÁÉA aÍvñu vAvbélzà Pmízà è aÍAEPÁ „ÁYÉEPE® Cöpíciué ¥KEgPÁ oÁw- oAíia Áumá
- «eÁÉA 2Pé, „Á±lÉAZÉE aÍvñu vlgá Áwue Ápáuá aÍÉ® „lMá
- «eÁÉA aÍvñu vAvbélzà „Áxízà Š14Pé CUMá PÉ±Pá oÁuKé aÍw vlgá Áw
- «eÁÉA aÍvñu vAvbélzà Pmízà è aÍ» ½Áiagá vÍeqN1PÉ½Pá „Ápázà „Áxíz Š®¥k „Á«Pé aÍvñu « „lgué
- «eÁÉA 2PéZP è oÍE, ÁvAvbélzà oÁuKé aÍA» w aÍvñu „AaPéa vAvbélzà ¥Avbélzà Ávñu aÍAEPÁ „ÁYÉEPE® Cöpíciáia oÍzka
- „Páoj Páaiðoump è «eÁÉA aÍvñu vAvbélzà CEMá

F „ÁAPÍ „Páia Á±lzp è „ÁUPÁ „Pá AíÉAdfAPágjá, DqkvUAgjá, oÁw oAíia Áa Ávñu vldgá, gÁdizà oPá Agá «±kzÁ®AíuMáP ÈA «zÁyD aÍvñu CzApíjá, „PáogÁvñá, „Awá, „lMá aÍvñu Evglbélz DóÁé, Ávzé aÍvñu „Áa Ágá 500 dfgá „ÁUPÁ „Ápíjáza D2, Ávzé F „Páia Á±lza aÍegá CÉJNáP è aÍegá ; EJ, „EET, K1A «ZÁgá „AQgítUMá aÍvñu ¥AEEF i ZlZDUMá MvNÉArá «ZÁgá „AQgítUMáP è «eÁoUkazá »j AíA DqkvUcPáj UkaZá aÍvñu DAIiá PmízàP ÈA ¥j tvj Azá 24Péi oÍzñ G¥Eá, Áké Áb DAIÉAF, Ávzé oÁuKé «eÁÉA aÍvñu vAvbélzà ¥lDEPé Áb K¥dr, Ávzé ¥çhe JAii. J, ii. aÍEoEi PáMági, PáaiðozPó, PÉAoi Pá gÁdá «eÁÉA aÍvñu vAvbélzà aÍaqñ, Caíjá F „Páia Á±lza aÍRá „AZÁ®PíjáVgávÁbé aÍvñu qÁ| JA. ¥lyAgéi, PáaiðoPá PáaiðozPó Caíjá „AZÁ®PíjáVgávÁbé qÁ| J, ii. f. 2AaOÁ±l, Áká, ¥ÍÉ, Caíjá „PáAZÁ®PíjáVgávÁbé

GzÁii ÉA „PáAgá „Pé Áb CÉAAPá 26 aÍA 2011gÁzä DAIÉAF, Ávzé 2Ae JA. JEI. «zÁzAPgj, L.J.J, ii, ¥zÁÉA PáaiðozPó, «eÁÉA aÍvñu vAvbélzà E-ÁSé PÉAoi Pá „Páogá Caíjá ¥AqñPá „Ápít aÍaqP zÁgé ¥çhe|. JEI. Dgj, gÁa|i, J¥i.Dgj, J, ii, „EÉ, i ¥E°AUi j „ZiD ¥çhejági, ¥zÁÉA aÍAwbélzà «eÁÉA aÍvñu vAvbélzà „Pº ÁUAgjá aÍvñu UEGP ÁxávCzPíjá, dAPgj „Á-í EP Áæ, Ál gí ¥Agí CqAEiíqí „EAn | Pi j „ZiD, „ÁUMéGá, Caíjá „Páia Á±lÉAB GzÁin, „PzÁgé 2AeePíjü ¥A- ÁMági, aÍAÉA aÍAwbélzà, fÁ «¥j 1W aÍvñu ¥j „gá «ÁAÉAUáj Pé «eÁÉA aÍvñu vAvbélzà E-ÁSé PÉAoi Pá „Páogá Caíjá aÍRá CwyUkAVgávÁbé ¥çhe|. S®gA|i, „zDÁ±Pjá, EArAiEi Efiinl Ámíi D¥s „Eii „ÁUMéGá, Caíjá „PáAgá „lzá UEGP ÁxávCwyUkAVgávÁbé

„PáAgéA¥A „PáAgá „Pé Áb CÉAAPá 28 aÍA 2011gÁzä DAIÉAF, Ávzé ¥ÍÉheJA. PÉ „KEgjá oZÁo±Pjá, EArAiEi Efiinl Ámíi D¥s mPÁ®f, gKEÁ¥gi (¥AeÁ „i) Caíjá aÍRá CwyUkAV, „PáAgéA¥A „Ápít aÍaqP zÁgé ¥ÍÉhe|. JEI. gWAEAZÉi, « „ÁVAAi aÍRá „gá, „ME aÍvñu ¥j „gá «eÁÉA EArAiEi Efiinl Ámíi D¥s „Eii Caíjá „PáAgéA¥A „PáAgá „lzá CzPíjáVgávÁbé

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AññEñdEñ añvñ PAAiññPñ ññMññ gññEñ , ññzñgñ e Fñ , PññAññPñ , PAAiññPñ ññAññ

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Karnataka State Council for Science and Technology  
Vision Group for Science and Technology  
and



Department of Science and Technology, Government of Karnataka

## Second State Science and Technology Conference - 2011

**THEME** : INITIATIVES FOR HUMAN RESOURCE DEVELOPMENT IN SCIENCE & TECHNOLOGY

**Date** : 26<sup>th</sup> -28<sup>th</sup> May, 2011

**Venue** : J. N. Tata Auditorium, Indian Institute of Science, Bangalore

Science and Technology plays a very important role in socio-economic development, education, eradication of poverty and illiteracy, achieving industrial progress – all with the prime objective of bringing improvement in quality of life. It has been found that, by addressing issues related to resources, knowledge, skill and technology, through various Science and Technology interventions at local level, this objective can be achieved.

Karnataka State Council for Science and Technology (KSCST), a 34-year old autonomous organization, is working with this objective by taking science and technology to the rural population through various S&T inventions. Over last three decades, KSCST has translated a number of projects from research and demonstration phase to implementation and operational phase.

Vision Group on Science and Technology (VGST) is an advisory body of Department of Science and Technology (DST), Government of Karnataka, to recommend Science and Technology Programmes relevant to mandate of DST, with the objective of encouraging and promoting Science and Technology education and research in the state. VGST plays a vital role in strengthening educational institutions to meet the scientific and the technological needs.

KSCST, VGST and DST, Government of Karnataka, are jointly organising a three-day Second State Level Science and Technology Conference on "**INITIATIVES FOR HUMAN RESOURCE DEVELOPMENT IN SCIENCE & TECHNOLOGY**" during 26<sup>th</sup> May 2011 to 28<sup>th</sup> May 2011 at J.N.Tata Auditorium, Indian Institute of Science, Bangalore. Last year, the Council, jointly with these partners, had organized First State Level Science and Technology Conference on theme "**Science and Technology for Sustainable Development**".

During the Conference, the following issues will be deliberated:

- Strategies in Human Resource Development in Science & Technology
- Infrastructure in Science Education, Research & Training
- Infrastructure facilities and S & T Capacity Building in vocational training & skill development
- Expansion and Strengthening the involvement of Women in Science & Technology

- Role of New Technologies and ICT in Science Education and promotion of HRD
- Application of S & T in Governance

To participate in this open forum discussion, planners, administrators, policy makers, faculty and students from various universities, NGOs, science promoters and others have been invited and about 500 participants are expected to participate. The conference will have three plenary sessions and seven technical sessions and a panel discussion, spread over three days. The technical sessions will include over 24 presentations by eminent scientists, senior administrators and experts. A Science and Technology Exhibition has also been organized. Prof. M. S. Mohan Kumar, Secretary, KSCST, is the Chief Coordinator and Dr. M. Prithviraj, Executive Secretary, KSCST, is the Coordinator of the conference. Dr. S. G. Sreekanteswara Swamy, Fellow, KSCST, is the Co-Coordinator of the Conference.

The Inaugural Function is organized on 26<sup>th</sup> May 2011. Shri M. N. Vidyashankar, IAS, Principal Secretary, Department of Science and Technology, Government of Karnataka, will give introductory speech. Prof. C. N. R. Rao, FRS, Linus Pauling Research Professor, Advisor to the Prime Minister for Science and Technology, Honorary President, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, will be inaugurating the conference. Shri J. Krishna Palemar, Hon'ble Minister for Ecology and Environment, Fisheries, Science and Technology, Government of Karnataka, will be the Guest of Honour. The function will be presided over by Prof. P. Balaram, Director, Indian Institute of Science, Bangalore.

The Valedictory Function is organized on 28<sup>th</sup> May 2011. The valedictory address will be given by Prof. M. K. Surappa, Director, Indian Institute of Technology, Ropar (Punjab) and Prof. B. N. Raghuandan, Divisional Chairman, Earth and Environment Sciences, Indian Institute of Science, will be presiding over the function.

It is felt that the Conference would serve its purpose of arriving at a consensus in formulating policies, planning meaningful programmes and activities so that suitable measures could be taken in Human Resources Development in Science and Technology in the state.

**Chief Coordinator:**

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