



Digital India
Power To Empower

The joy of learning at the right institute
PRICELESS.



ILLITERACY 2 DIGITAL LITERACY

ASTRIC- CENTRE OF EXCELLENCE:

Established in 2009 into training and capacity building for government employees, educated and unemployed youth of Bihar for IT training and skill development courses has been one of the premier IT training organisation with stress on quality, timeliness and delivery oriented in skill development training domain. We are the first Public Private Partnership formed with Government of Bihar and Astric Computers (I) Pvt. Ltd. our parent organisation.

Astric Computers was established in 1992 and is one of the largest IT companies in Bihar with OEM partnerships of major IT technology MNC like Intel, AMD, HP, TVSE, Epson, Acer, Dell, Microsoft, SAS, Tally, Sony, Seagate and many more. Centre of Excellence

Centre of Excellence began its training wing in collaboration with Government of Bihar in 2010 and has been providing IT based training to Government Employees, Students who dropped out from schools, colleges, graduates, post graduates, unemployed, semi skilled, unskilled and skilled on aspects like mobile repairing, hardware and networking, web designing, accounting with Tally ERP 9.0, Office Suite and Internet, Data Entry Operator, Advanced Web Technologies, Global Support System and so on.

Salient Features for which we are known:

- ÿ In our Silver Jubilee Year with more than 100 employees;
- ÿ Air-Conditioned Campus & Wi-Fi enabled;
- ÿ Well-stacked Library with reading room facility;
- ÿ We are very highly regarded in Skill & IT training industry;
- ÿ Internationally rewarded IT & Physical Infrastructure;
- ÿ Our advisory board has academic & industry Gurus
- ÿ Alliance with leading IT OEM's since 2 decades
- ÿ Partners to Government of Bihar since 2010
- ÿ Summer Training by HP for Engineering students
- ÿ Partners to NIESBUD, Ministry of Skill Development and NIELIT, DieTy, Govt. of India and C-DAC Pune HQ.
- ÿ Partners to Women Development Corporation, Bihar
- ÿ Partners to Mahadalir Vikas Mission, Bihar
- ÿ Partners to Department of Labour Resources, Bihar
- ÿ Partners to Ministry of Minority Affairs, GoI

The ambitious program Women Inclusiveness for Literacy and Livelihood Program (WILL) conceived by us is a week long, home-based, low-cost training program for women in the age group of 18-40 years who did not have access to even basic education facilities in their past and bring them closer to the learned society by using Tablet based inclusive learning to run the inclusive program WILL. This project was appreciated by Hon'ble Chief Minister of Bihar on 19th February in e-Bihar 2014.

The program targets both the Women and the Mother inside a household, with educational outcomes geared towards both groups. It enriches children cognitively, in order to boost school readiness and optimal psycho-social development, and trains women/mothers, creating sustainable nurturing and healthy home environments. Studies have found that, with a women or mother educated in a house, children are better prepared for school; lower drop-out rates and achieve consequent success in education, all resulting in better life chances than their peers. Its impact has also been proven on mothers as they report better relations with children and spouses as a result of positive parenting, and improved communication skills and self-esteem, all resulting in the empowerment of women as individuals and mothers.

Project Approach

The proposed project will have the following elements:

1. Digital Learning Content
2. Acquisition of Handheld Devices & Deployment of Content
3. Identification of Target Group
4. Train the Trainer
5. Training Deployment & Impact Assessment

To know more please visit www.coe.co.in

To know more please visit www.coe.co.in

MAINSTREAM PROGRAM LIVELIHOOD OF YOUTH (MPLOY)

Almost 74% of our country's population still has not been able to have a 'computing device' after almost 3 decade of the so called Computerization in our country took place. Only 26% are lucky to have access to a Computer with Internet facility. Rural population are mostly e-illiterate when it comes to Digital Literacy and it is no longer possible to make most of them IT illiterate. They are left behind in the Digital Race owing to multiple factors like age, their role in household activities, socio-cultural barriers, illiteracy etc.

We at CoE devised a novel approach as it becomes critical to break all the aforesaid barriers and enable literacy using new age ICT tools and technology for inclusive development of the fairer sex. With the increasing penetration of mobiles, computers & televisions it has become apparent that a technology enabled learning would be a key step in affecting this change in India, which would help rural and urban youth, women and elderly who have crossed the threshold for traditional education to be provided with an opportunity of Digital Literacy.

Our target audience are therefore "INCLUSIVE" of Rural or Urban, e-literate or illiterate, men or women, Youth or Old to be true does not matter. We could deploy ICT tool the eCPC™ an innovative solution to achieve necessary levels of e-literacy that would equip them to carry out day-to-day activities and make informed decisions and choices in their relative fields.

OBJECTIVES

A **digitally enabled social innovation** that would cover rural and urban e-illiterate youth, men and women, especially the ones who have crossed the threshold for formal education owing to reasons such as age, household responsibilities, socio-cultural barriers, educational need etc.

Create & deploy a **one-of-its-kind TV based digital learning interface using eCPC™ Devices** to empower the population for creating awareness and enabling digital literacy.

Create a digital learning tool that would negate the e-illiteracy of masses and:

- Enable ease in learning through audio-visual media at Home on ones' own TV
- Enable e-illiterate youth to access basic information using Apps on health, hygiene, agriculture, animal husbandry, etc.
- Enable 74% of our population with a digital learning tool that would empower them with information needed for day-today life activities by:
 - Creating awareness about critical issues
 - Enabling youth and women from rural and urban households using information technology to update knowledge about agriculture, animal husbandry, government, policies, weather, technology etc. so that they can contribute to country's growth and take informed decisions
 - Creating self-reliance and developing self-confidence by linking to digital India.

PROJECT PROPOSAL APPROACH

The proposed project will have the following elements:

1. App as Content along with OS and Office Suite
2. Acquisition of eCPC™ Devices & Deployment of Apps
3. Identification of Target Group of Trainees
4. Train The Trainer (TTT)
5. Training Deployment & Impact Assessment

Our USP is innovative methods we plan to deploy:

1. Content Development
2. Acquisition of eCPC™ Devices (Dongle & Box)
3. Identification of Target Group
4. Train the Trainer
5. Training Deployment & Impact Assessment

IMPACT ASSESSMENT

Key Outcomes:

Bihar to be the first State to create and implement an Integrated Approach to create Digital IT Literacy for Rural Masses Empowering Youth with a digital learning tool that would enable them to make informed choices and decisions on day-to-day activities they perform. A step towards bridging the digital divide on one hand and increasing demand for internet on the other hand. Increase Computing/Digital Wave penetration in rural Bihar. One has to understand the commercial viability in post training (performance) scenario

EARNING POTENTIAL:

It is difficult to calculate the same as demand is huge and supply is negligible. Imagine the growth of rural and urban economy if we can e-enable these youth through eCPC™ which on one hand enables the masses to get digital literacy as well as reach out to the global world and on the other hand help the state economy rise to new heights. Please support our proposal to take the state to these heights which will make us all proud of being a Bihari.

CONCLUSION:

Looking ahead of with the vision 2025 of we have survey report from multiple organisations who presume India to cross \$5 Trillion by 2025 ([Morgan Stanley Report](#)). And our country's population should surpass China's at 1,418,733,000 and average age would be 30-35 years. Bihar's statistics say that 7.5Crore youth is the highest making it the youngest state in the world out of its projected 12Crore population. The only way to gain benefits out of the projected growth rate and skill the manpower by 2025 is to adapt to innovative means with lowest investment possible and highest outcomes guaranteed.

With this proposal you can ensure that self-employment will take proper shape for the state of Bihar looking at the size of market and its future growth where in TV owning houses which is currently 150 million* (DTH: 54 million-FICCI KPMG- *Database Updated on 15th February 2015). Also the Census report 2011 predicts an annual increase of 16% in households owning Televisions which gives us a fair idea on the market size.

If you look at skill development this proposal aims to train youth and women in both rural and urban India who would anyway be required to get skilled manpower in professional avenues, mostly in making them employable to an extent so that they earn their livelihood wherever they are. Though there is no limit to earning potential looking the market size and zero competition for affordable Stick PC eCPC™ by Quadpro Infosoft Private Limited for the hungry entrepreneur.



In case of any clarification contact:

akb@quadproinfosoft.com

IT Training for Ex-Servicemen and their Dependents

Sainik Kalyan Nideshalay (SKN) a unit under Department of Home, Government of Bihar in the year 2013 thought of assisting their ex-servicemen and dependents by provisioning an IT training to them and COE was chosen as their training provider. The reason was obvious as we had the mandate as partners to Government of Bihar, had the best infrastructure and also the elite trainers. This association has helped us train ex-servicemen and their dependents in two locations of Patna and Arrah and Chapra is on the anvil to begin.

The course is meant for them to begin a new career post retirement which is at an age of about 45 years after serving the defense force for 15 years. It is the time when their children are in higher education or about to get settled after marriage and it becomes difficult to support the family with pension amount. This training was aimed at bringing them and their dependents under the ambit of IT by providing them a training for Basic Computing, office suite, internet and accounting work. We have seen stories unfold in our premises with mother and daughter studying together and receiving certifications, we have seen an old father whose son is in his job after engineering and the Desktop lying idle at home being used by father

to do a SKYPE chat with his son out of Bihar and mother cursing father why he learnt it alone. It was a learning we gathered each day in the batches we taught for SKN. We also could influence the state government to give priority to the SKN trainees as and when recruitment would take place for Data Entry Operators or Office Assistants or Accounting jobs in the different departments or its societies in near future. The state government also helped us a lot in providing the precise environment to these nation builders and their dependents as a disciplined lot for inclusive growth in our society.



Astric- Centre of Excellence is an 'ICONIC' Skill Development Training Centre



Welcome to India's First Multi Skill Development Centre which runs on Hybrid Energy (Solar cum Wind). Bihar used to be the most likely of the place where we used to reach out since early times on Higher Education with respect to 'PATLIPUTRA' or 'NALANDA' and the land of Buddha and Chanakya, but if someone states that we need to learn about Information Technology or Information Communication Technology, Skill Development or Multi Skill Development it is not at all acceptable. But fact remains to be seen and appreciated as this is the land where we all are aware has abundance in HR.

The Government of Bihar and Astric Computers India Private Limited signed a MoU with an intent to begin Capacity Building of Government Staff (Group C and Secretariat Employees) besides also providing technical training to youth of Bihar way back in 2009-10. The primary mission of the Training Centre named as Astric-Centre of Excellence to practice the best models of conducting a broad based multi-disciplinary programme in various Industrial Technical Fields, directed towards the development of skills and trades related to IT/ITeS/ICT and to become a world class training centre which commands respect in the specialized trade training programs in alignment with the Industry requirements across the globe. It has set up at Patna in Bihar and CoE today offers challenging and complimentary roles for IT administrators, Software Hardware engineers, IT technicians, Data Entry Operators to office assistants, Global Support Executives, Advanced Web Technologists and also VLSI or electronic professionals, Java and Android programmers, Embedded System engineers throughout the year.



CoE began its journey in 2009-10 and is one of the few organisations from the state of Bihar who have been able to come up with their own publication of course material in English and Hindi on topics such as Office Suite, Tally and Basics of Computers with the leading publication House BPB Publication. CoE is also in discussions with Government of India R&D organisation C-DAC for commencing on the high end courses for engineers of the state to e-enable them for the upcoming technologies on one side and on the other CoE is a partner with Hewlett Packard Education Services since 2010 for Summer and Winter Training of Engineering Graduates to be at Patna on courses such as Core Java, Android, PHP with word press, Networking Concepts, Embedded Systems, Linux, VLSI, C# and J2EE and has been able to train almost 2300 students in last 4 years in June and July months only. The campus of CoE is known for its quality and trainers with iconic training infrastructure and facilities.

All programs follow vocational education and training standards that are demand oriented and directly imply a close relationship with industry. To provide International Standards and Hands-on training CoE has extensive state-of-art training facilities. CoE is a registered organisation with both Government of Bihar and also Government of India. The organisation has members from Government of India, Government of Bihar, complemented by local stakeholders and representatives of industries, chambers and academia. C-DAC and NIELIT are also partners to CoE apart from NIESBUD for implementation of courses.

Bihar's credentials may be declared as the most favoured labour destination for the country and has received a substantial boost with Skill Development initiatives and facilities for the Youth in this part of the world, we have a capacity to train 500 trainees per batch at Patna and scaling it to approximately training 5,000 annually. The location is ideally situated near the city's Khajpura locality with almost 10,000 sq. ft. of centrally air conditioned space with Wi-Fi campus, ample parking space for 2 or 4 wheelers, multimedia facility with smart board, Audio and Video equipped labs, almost 200+ workstations in a single campus and last but not the least an Internationally awarded IT lab which runs on Solar cum Wind energy since 2011. With 6 class rooms, 4 Labs, a library, a Video Conferencing facility apart from broadband connectivity which has been provided by BSNL with their office in the same campus. CoE has the proud legacy of supporting the incubation of organisations who ventured into Bihar since early 2009-10.

End-To-End Staff Recruitment Solution on Cloud (NIYUKTI SAHAYAK)

We have a robust transparent system solution on cloud to conduct and end-to-end examination management for recruitment of teaching, non-teaching staff as per a published advertisement, including accepting application (by speed post), entering the data in an online software where in the same would be automatically scrutinised and acceptance or rejection of application based on pre-fixed criteria be known to the client, officials from client in turn can cross check and see if the automatic selection or rejection was correct in between manual screening of the applications, post verification data entry can be completed by our in-house staff termed as "supervisors". SMS about the status of application in phased manner and a confirmation SMS be sent once short listed, based on the fixed criteria. A window of X days given to applicants for grievance redressal on mail/ telephone as specified on the website of client, the applicants would be able to check their details online using a Unique Application Registration No. (ARN) provided to them via SMS, in case a candidate is unable to login he/she can call help line number to collect the required details on confirmation of certain details. Once grievance period is over the e-Hall Tickets could be downloaded. For certain category of applicants who are expected not to be IT literate (viz, drivers, cooks, peon, MTS, Office attendants) for whom we have a provision to send their "e-Hall Tickets" via speed post and also SMS. Publication of results is also in-built into the solution.

SALIENT FEATURES

- Secure
- Step by step authentication
- Data Entry Operators have separate ID's
- A supervisor has a separate ID and can monitor the Data Entry Operators
- Supervisors do not have admin rights
- Single Admin console for changes required by Supervisors
- Easy to use and understand
- Reliable and accurate
- No need of experts
- Hyperlink provided to Client for linking it to our 128 bit Verified & Secured site.



AN INNOVATIVE CLOUD BASED APPLICATION WITH SMS INTEGRATION FOR ASSET MANAGEMENT

SCAN (School Computer Access Network) was initiated for ICT@School project of Education Department of Government of Bihar society "Bihar State Educational Infrastructure Development Corporation Ltd." in the year 2011 as per the directions of Managing Director a system which would help the society receive an SMS if the ICT lab at school was run on a given day. The objective was to monitor usage of ICT Lab at remote locations under ICT@School Project. **Winner of 'SHIKSHA RATNA' award 2013.** The Pilot began on 16th June 2012 and was dedicated to the state by Hon'ble Chief Minister on 16th July 2013 the beneficiary of the Project covers 33 out of 38 Districts of Bihar and 832 schools.

(i) Situation before the initiative: # Uptime of PC in School is not known to Administration

Children got less lab time; # Tracking of actual runtime of PC is tough

Government does not get daily report from schools

BOOT partner raise bills which are not true/verified/authentic

Difference of opinion between Government and Private Partner

(ii) Strategy Adopted:

Uptime of Desktop PC in School can be monitored daily

100% actual reporting based on automated mails/SMS to admin

Mail & SMS integration for real time reporting possible

Accessing Periodic Report possible (Daily/Weekly/Vendor wise etc.)

Reports also available online; # Tracks any PC using MAC ID & CPU ID

(iii) Result Achieved/ Value Delivered to the beneficiary of the project-

Department/ Agency monitors Actual Up Time of Desktops per day.

Auto Reports are sent to the centralized server for scrutiny daily.

Web Server Generates 'SMS' in case of any discrepancy to Department/Officials.

Any Desktop other than School PC can be tracked if used.

Decision making for Proper Utilisation is now easier/faster; # Review of Internet Connectivity/Power is easier now.

No delay of payments linked to Desktop functionality from Government end. # BOOT operator uses SCAN as attendance of

Faculty at school. # Faculty can use SCAN to Update officials on activities at School via mail # Each School has a unique alpha-

numeric code of 16 (YYYYZCBOOTDISSCC)*; # Each School has a similar email id linked with Web Server identification made easy

All the 832 Schools today have their own web page thanks to efficient monitoring through SCAN.



Astric - Centre of Excellence Pratiksha

Bhawan, Khajpura, Opp. Shiv Mandir, Bailey Road, PATNA- 800 014, Ph:+91-612-259-7031/ 259-7054/ +9180839 97775, info@astric.in, www.coe.co.in