

**23<sup>rd</sup> National Annual Conference of Indian Colleges Forum on Challenges before Higher Education in Emerging Fourth Industrial Revolution, held from 8-th Sepetember,2017 in Collaboration with R.G.Kedia Colleges, ( Affiliated to Osmania University,) run an management by Marwardi Shikshan Sansthan, Hyedrabad**

**Report of Proceedings**

**Day 1 , 8<sup>th</sup> September,2017**

**Inauguration**

The 23rd National Conference of INDIAN COLLEGES FORUM in Collaboration with Kedia College of Commerce (affiliated to Osmania University) and run and Managed by Marawardi Shikshan Sansthan, Hyderabad held from 8-10<sup>th</sup> September,2017 on the theme of “Challenges before Higher Education in Emerging Fourth Industrial Revolution” .. The National Conference was inaugurated on 08 September 2017 by the Chief Guest Shri Bandaru Dattatreya, Former Union Minister, Government of India. In his inaugural address Shri Dattatreya lauded the yeomen services being rendered by Marwadi Shiksha Samithi for the past 93 years in providing education to over 4000 students every year. He also stressed the importance of digitization of education from black boards to interactive white boards and beyond and quoted from Swami Vivekananda that education should develop the human being. The former minister said that under the Digital India Mission an outlay of over Rs.10,000 auCrores has been spent on digitization. Shri Dattatreya assured the organizers that the recommendations of the Conference will be forwarded by him to the Minister for Human Resource Development.



Inauguration function Chief Guest and eminent persons on dias

Earlier the welcome addresses were delivered by Shri K. Ramachandra Murthy, Joint Director, Dr DVG Krishna, Director, Shri SB Kabra, Jt. Secretary and Shri Kamal Narayan Agarwal, President, MSS. Explaining the Conference theme, Prof GD Sharma, President, Society for

Education & Economic Development (SEED) – Indian Colleges Forum (ICF) and former Secretary, UGC spoke on the progress of human kind over millenniums. He stressed on Artificial Intelligence (AI), Internet of Things (IoT), 3D printing, wearable and implantable devices, gesture recognition, big data, robotics and block chain technologies. Shri PP Shrivastava, Former Member North Eastern Council, said that knowledge must be supplemented by wisdom and for that teacher-student interaction is important. Dr. Bikas C. Sanyal, Former Adviser, D.G. UNESCO and former specialist of Higher Education, IIEP, UNESCO, Paris was the Guest of Honor. Dr. B.K. Tyagi, Director, Sriram Group of Colleges, Muzaffarnagar and General Secretary, Indian Colleges Forum proposed a vote of thanks.

## **Technical Sessions**

The first technical session on the theme of Impact of Fourth Industrial Revolution on Higher Education was chaired by Prof. R. Nageswar Rao, Dean, Management Faculty, OU and co-chaired by Dr. Budhin Gogoi. Prof Nageswara Rao said that while Indians are contributing to technological developments in advanced countries such as USA, UK, our students go to those countries for higher education. This is because of lack of quality education here. This must be

corrected. He suggested that per capita outlay on education should be monitored as also Return on Investment on education. Dr Gogoi spoke on the importance of National Knowledge Commission in improving higher education. He also stressed on the importance of religion and science in human development. The key speaker was Dr. Bikas Sanyal, Former Advisor, DG UNESCO and Spl. HE, IIEP, Paris. He spoke on the impact of technological development on higher education. Ms Chandana Bhattacharya, Principal, Women's College, Shillong presented a paper on the session theme and stressed on the importance of New Education, Policy, educational infrastructure, training of teachers in Information & Communication Technologies (ICT) and lamented the loss of creativity due to plagiarism. Video Lecture by Prof. MM Pant, Technology Expert and Former PVC IGNOU was played.

The second technical session on the theme of “Developing Quality Human Resources With Critical and Analytical thinking in response to revolution of AI and IoT was chaired by Prof Dwarkanath, HoD, College of Law, OU. He said that traditional universities are facing cash crunch and infrastructure shortage. Rural students find it difficult to follow courses in English. The Co- Chair, Dr. Debashis Kar, Director CDC, Assam University, Silcher stressed on the importance of emotional intelligence and human welfare saying that technology must not be allowed to fragment the society.

The key speaker Prof Jilani, Director, Distance Education, University of Hyderabad, Hyderabad spoke on virtual classrooms, virtual laboratories, Massive Online Open Courses (MOOC's), automation, Learning Management Systems, Multimedia, mobile and ubiquitous learning. He said that the teacher taught relationship has now transformed into mentor- learner relationship. Dr. Sandip Kumar Paul, Principal, City College Of Commerce & Business Administration, Kolkata, presented a paper on the topic of “Role Of The State Of West Bengal In Supporting and Facilitating Institutions Of Higher Education For Meeting New Demands Of The Emerging Changes In Education”. Dr.M.Usman, Principal, Amal College of Advanced Studies, Erannhimangad (PO), Nilambur, Malappuram Dt. Kerala (President, Kerala Principals' Council) presented another paper on the topic of “ICT Enabled Accreditation Process: the Challenges Before Colleges” Prof P.Purnachandra Rao, Former Principal, Indian Institute of Management & Commerce, Hyderabad spoke about use of audio-visual aids in teaching social science subjects, and the importance of the required flexibility in delivery of course curriculum.

## **Group Work by delegates**

This was followed by Group Work on 4 themes as follows:

1. Challenges and Opportunity of Emerging AI and IoT

Chair- Dr. Bikas Sanyal, Co- Chair Ms Chandana Bhattacharya

2. Role of Colleges in harnessing new technology in Education

Chair Dr. B.K Tyagi, Co Chair Dr.Ajay Sareen

3. Role of Central Govt. UGC and State Government to strengthen colleges to meeting the emerging challenges

Chairs Dr. S.C. Sharma and Dr. Jamini Kant Mehto, Co Chair Dr. M. Usman

4. Strategy to deal with technology impact on culture and Economy

Chair Shri PP Shrivastav, Co- Chair Dr.C.Massar

The Group representatives presented their points at the Open Session session.

ICF Executive Committee Meeting and Cultural Programme.

ICF Executive Committee Meeting was held on 8<sup>th</sup> September, 2017. Minutes of meeting are being separately issued by ICF.

Followed by this and Cultural Programme, wherein a young artist pursuing her MBA programme presented Odissi Dance.

***Dinner was hosted by Indian Institute of Management and Commerce, Hyderabad***

## **Day,2, 9<sup>th</sup> September, 2017**

### **Technical Sessions**

The first session was on the theme of "Harnessing Key Technology in Higher Education especially in Science, Arts, Commerce, Law and Management Education, It was chaired by Prof GB Reddy, Dean, College of Law, OU and Co- Chaired by Ms Kalyani Kabir. Prof GB Reddy said that technology is all pervasive; it makes teaching easy, effective and more accessible. Online courses are provided even by World Intellectual Property Rights Council. Ms Kabir said that technology is a weapon for social change; however it should be applied with a positive attitude.

In his keynote address, Dr K. Mohammed Basheer, Vice Chancellor, Calicut University, Calicut, Kerala, said that many digital resources are available in the form of MOOC's, National Digital Library, Virtual laboratories, Study Webs Of Active Learning For Young Aspiring Minds (SWAYAM), National Programme On Technology Enhanced Learning (NPTEL), Swayam Prabha (through DTH TV channels), e-Yantra Robotic Lab, e-Acharya (integrated e-content portal), e-kalpa for Digital-learning Environment for Design sponsored by the Ministry of Human Resources, e-PGpathshala, VIDWAN- database of profiles of scientists / researchers, free open source software, as well as depositories such as National Academic Depository (NAD) for Digital enablement of the Education Records, Shodhganga- a depository for research theses, Information and Library Network (INFLIBNET) Centre, Gandhinagar- an Autonomous Inter-University Centre (IUC) of University Grants Commission (UGC) etc. Papers were presented by the following speakers.

- Dr P Mohammedali, Principal, MES Keveeyam College, Kerala- Examination reforms
- Dr Neeru Chadda, Principal, DAV College, Punjab - Role of ICT in higher education
- Dr Kiran Arora, Principal, PCMSD College for women, Jalandhar – Role of management, teachers and students to meet the challenges of emerging technological revolution

The next technical session on the theme of “Role of Management and Government in meeting Challenges of emerging technology in Education –Sharing Experiences’ was chaired by Dr. S.C. Sharma who spoke on globalization of education and providing education to the masses. In the key note address Prof GD Sharma spoke to Artificial intelligence (AI) – narrow and strong, super intelligence and fully autonomous systems which will outsmart human beings. Ms Krishna co-chaired. She stressed on equitable growth of Bharat and India. The following papers were presented:

1. Challenges of Fourth Industrial Revolution Before the System of Higher Education In India by Mr J Ajay Kumar, Assistant Professor, Vijaynagar College Of Commerce Hyderabad
2. Challenges Before Higher Education In Emerging Fourth Industrial Revolution (Higher Education In India Emerging Issues) by Dr.N.Srinivas, Associate Prof. in Commerce, Sri Lakshmi Narasimha Swamy College, Bhongir
3. Higher Education challenges by Dr Ms C Massar, Principal, Lady Keane College, Shillong, Meghalaya presented paper of Challenges of Management of Higher Education in the emerging scenario.

### Open Session

This was followed by Open Session on problems of colleges at the state level. Principal Dr. Usama, Amal College and President, Kerala Principals Council, Kerala Dr. Ajay Sareen, Hansraj Mahila Mahavidyalaya, Jalandhar, Dr. Buddhin Gogoi, Principal, Margerita College, and Secretary, Assam Principals Association and Dr. Krishna Chaudary, Principal, MKJK College, Rohtak , Haryana presented problems and issues pertaining to their states. A report of state level problems and Issues presented by the delegates is being prepared separately.

Discussion on Group Reports.was held and views and opinion of open house was invited for endorsement. Open House endorsed the reports.

This was followed by reporting of minutes of meeting of ICF executive Committee and passing of resolutions..

### Valedictory Session



Chief Guest Dr. Papi Reddy, Chairman State Council of HE,AP& Telengana being felicted in valedictory function

While welcoming the dignitaries at the Valedictory function, Dr DVG Krishna, Director, MSS RG Kedia College spoke of S-Sigma concept and linked economic growth to capital output ratio. He said that rate of growth determines the standard of living. Professor T. Papi Reddy, Chairman, State Council of Higher Education, Telengana was the chief guest at Valedictory function. In his valedictory address Shri Papi Reddy said that education and technology both influence human life enormously. He also said that economic growth must create jobs. The Guest of Honour was Prof Venugopal Rao, Director Academic, Osmania University. He said that while the fourth industrial revolution is highly disruptive, it also enhances the quality of human life. Dr. K..Mohammed Basheer, VC, Calicut, University said that teachers must continuously update their knowledge. Shri PP Shrivastav, Former Member and Chairman Education Committee, North Eastern Council, Shillong said that evolution from physical to intellectual to spiritual can take India to its rightful place in the comity of nations. The vote of thanks was proposed by Mr B. K.. Tyagi General Secretary, Indian Colleges Forum and Mr. K. Ramachandra Murthy, Jt Director, MSS.



Group Photo – Delegates, Resource and eminent persons

**10<sup>th</sup> September, 2017**

As part of conference participants had chance to visit Hyderabad city .

**THE FOLLOWING ARE SOME OF THE POINTS BROUGHT OUT FOR ACTION**

- The following economic parameters should also be monitored in respect of education year after year
  - Per capita outlay on education
  - Return on Investment (ROI) on education
  - Gross capital invested in education
  - Capital output ratio on the above
- Education should lay stress on character building, values and ethics of students

- All digital education resources including MOOC's should be constantly reviewed to keep the content updated and relevant
- Allocation of funds should be enhanced for upgrading infrastructure of hardware, software and networking in institutions of higher education
- Regular training should be provided to faculty and administrative staff in use of IT resources
- All vacancies of faculty and administrative staff should be filled up expeditiously
- Syllabus of all courses should be upgraded regularly to meet the market expectations
- Audio visual aids should be used for teaching
- Quality of education should be improved in order to bring it on par with developed countries and to stop brain drain
- Gross Enrolment Ratio (GER) is to be improved on par with advanced nations
- Remedial coaching should be provided for weaker students, especially from rural background
- There should be more number of institutions of higher education, especially in rural, backward and hilly regions so as to improve technical education and skill development through digitization for betterment of education