

Sharing Resources for Quality Higher Education and Research

(14th October, 2017)

**Vice Chancellors' Colloquium under the Aegis of
Ministry of Human Resource Development
Government of India Scheme of Pandit Madan Mohan
Malaviya National Mission on Teachers and Teaching
(PMMMNTT)**



**Central University of Haryana
Jant-Pali, Mahendergarh**

Vice Chancellors' Colloquium on: "Sharing Resources for Quality Higher Education and Research"

(October 14, 2017)

***Compilation Based on the
Deliberations of the Participants from Universities of
Haryana***



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Jant-Pali, Mahendergarh**

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**Printed & Published by Central University of Haryana, Jant-Pali,
Mahendergarh**

Printed 100 copies – December, 2017

PREFACE

Resources are the sources from which benefits are produced. Resources are the backbone of every economy. Resources are limited and, therefore, these need to be utilized to the fullest possible extent. Sharing is one of the features of utilizing resources. Effective management of resources is an essential task for managing different projects. Having the information about the availability of the resources and having those available at the right time for the activities; play a vital role in managing the costs and smoothly executing the project activities.

This document contains the core ideas regarding initiatives taken for sharing of resources in higher education. The prime objective of resource sharing is to maximize the availability of material and services and to minimize expenses. In other words, the principle behind resource sharing has been the availability of maximum service at the minimum cost or the maximum service at the same cost. The prime objective of resource sharing is to create an environment in which universities can offer better services to facilitate quality higher education and research. It aims to make the resources of one university available to users of other university and vice-versa. The main objectives, therefore, are: increasing availability of resources, extending the accessibility of resources, diminishing cost, and promoting optimum utilization of resources.

This compilation of possible strategies for sharing resources could be possible because of the insightful contribution made by all the participants from the universities located in the state of Haryana.

The organizing committee expresses sincerest thanks and gratitude to Prof. R. C. Kuhad, Vice Chancellor, Central University of Haryana for entrusting this responsibility to the Director of University Internal Quality Assurance Cell and Project Coordinator PMMMNTT, and also for his constant guidance and encouragement in accomplishing this task.

Dr. Sarika Sharma, Programme Coordinator, Dr. Aditya Saxena, Director IQAC and Dr. Pooja Walia, School of Education deserve special mention for their contribution in bringing this document in its present shape. We also wish to place on record the insightful participation in the deliberations on the sharing of resources among the universities of Haryana by the members of the Central University of Haryana.

(Organising Committee)

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Concept Note of the Theme

Resource sharing is an organized cooperative attempt to share materials and services so as to provide one another with resources that might otherwise not be available to an individual institution. Resource sharing plays a vital role for the achievement of institutional goal by providing quality service and optimizing profitability through effective and efficient utilization. Sharing of resources among universities tremendously benefits the students, research scholars, academicians and administrators by *exchanging* knowledge, ideas, human resources, information, and library & laboratories resources. By sharing resources with other higher education institutes, the universities not only meet immediate needs of users; but also contribute, in an important way, in sharing knowledge and information in a collaborative manner.

Resource sharing is a term used to describe organized attempt by resource available in Universities and Information Centers to share materials and services cooperatively so as to provide one another with resources that might otherwise not be available to an individual institution. It represents an attempt to expand the availability of specialized, expensive, or just plain not-owned resources beyond the bounds of a single institution. The ultimate aim of resource sharing and information service is to supply its user with all the materials that he or she needs in order to do research, become more educated, empower him/her, or simply be entertained. Every university cannot keep all type of laboratory equipment and many times it happen that equipment are there in the laboratory and users are very less in number. Under such situation, the best option left with the universities is to optimize the output and utilize their resources through extensive sharing and networking. In view of the above, the traditional concept of ownership will gradually be replaced by access to information and knowledge, regardless to location and format. Resource sharing is the process by which a group of universities within the state decide to make their resources available for common use and benefit of all members of the group. It means a partnership in which each member has something useful to contribute to the others, and is willing to make this available when needed. It is,

essentially, a pooling of resources, a cooperative undertaking for increased capability, greater user satisfaction and economy of effort. It helps in bridging the gap between the researchers and the required resources. Through resource sharing, one university expands its academic horizon and gains an appreciation of other universities about academic cultures, administrative functioning and resources management.

Sharing of Views by Prof. Ramesh Chand Kuhad

At the outset, I heartily welcome the Chief Guest, Sh. Ram Bilas Sharma Ji for his generosity to grace this occasion with his motivating presence. Nobody else could fit in as the Chief Guest of the event that intends to create the confluence of the institutions of higher education in Haryana. We shall be able to realise the desired objectives of this unique initiative only with your constant guidance and support. Sir, we shall remain indebted to you for your unfathomable concern for the growth of the University.

I welcome the esteemed Vice Chancellors of the sister universities in the state of Haryana for their eagerness and enthusiasm to participate in the colloquium to deliberate the key concerns of higher education in the state. It being a collaborative initiative, your participation in the event with couple of senior Deans or administrative officers shall certainly contribute in the success of the event.

Today's Vice Chancellor's Colloquium on "Sharing Resources for Quality Higher Education and Research" is an initiative to bring together all the academic leaders of the state of Haryana on one stage to brainstorm and share the relevant issues concerning higher education and research. The conclave of Vice Chancellors of the universities intends to nourish, relish and celebrate the relevance of collective wisdom in achieving the pious objectives of higher education institutions. Owing to the contextual uniqueness, every University cherishes different set of strengths crucial for the realisation of a vision that is common to all – dissemination of scholarly knowledge for the creation of

enlightened and empowered youth capable to serve the sublime goal of nation building. Therefore, the bouquet of ideas emerging out of the colloquium shall certainly serve the common cause of quality higher education in the state.

We may also ponder over the possibility to establish Haryana Institute of Lifelong Learning (HILL) with the vision to cherish, nourish and sustain the culture, heritage, folklore, linguistic richness and other Haryana specific historical attributes. The innovative idea to rope in all the crucial stakeholders to contribute in the success of this initiative seems hazy and obscure but I am sure that with the joint efforts of all the participating universities and the support of the government of Haryana, we'll achieve the desired objectives. Besides exploring the possibilities to establish collaborative partnership among sister universities for deliberating the mechanism to establish Haryana Institute of Lifelong Learning (HILL), the colloquium intends to provide an opportunity to share and appreciate the best practices and traditions adopted by the universities in the state of Haryana. We may make the best use of this conclave of academic leaders of the state in the august presence of the hon'ble Education Minister by deliberating the mechanism for—

- Creation of pool of talented human resources;
- Sharing of Human and Physical Resources
- Creation of a common 'Discussion Forum' to share the best practices and trends at regular intervals
- Publication of a common Newsletter in tune with 'University News' to highlight the achievements, researches and innovations of all the universities in the state

- Exchange programmes for students and faculty for dissertation, project works, internship and extension activities
- Mutual sharing of Print, Digital Resources, Research Database and Labs
- Curriculum designing
- Exploring, developing and recognizing areas of research and innovation specific and relevant to the state of Haryana including its Culture, Heritage and legacy.
- Entering into MoUs for extension and academic exchange activities

I am delighted to share it with the hon'ble Education Minister and the august gathering that in a brief span of eight years Central University of Haryana has achieved many significant milestones to be proud of. Here, I would like to highlight some of the recent achievements of the University. These include—

- Award of grade 'A' by NAAC in the first cycle of assessment and accreditation conducted in March 2017.
- 35 research projects/fellowships from various funding agencies amounting to the grant of more than 15 crores.
- University has got eight Global Initiative for Academic Networking (GIAN) Courses approved during the last one year.
- Gradual expansion of academic programmes to the extent that presently University offers 53 programmes (UG, PG and Research) under thirty departments of study, with the enrollment of more than 1900 students belonging to 23 different states of the country.

- Creation of Centre for Innovations, Skills and Entrepreneurship Development (CISED)
- MoUs with potential industry/corporate partners or research organisations for collaborative researches and innovations. We have recently tied up with CSIR-Central Electronics Engineering Research Institute (CEERI), Pilani; Liberty Shoes Ltd., Karnal; Technology Applications Service (TAS), New Delhi; National Cooperative Union of India (NCUI), New Delhi; and Centre for Innovative and Applied Bioprocessing (CIAB), Mohali.
- University's innovation of Electric Power Generation on Speed Breakers got first prize in the International Electrical Vehicle EXPO-2016.
- University was adjudged the best among all the Central Universities for its contribution in Vittiya Saksharta Abhiyan of Government of India.
- University faculty participated in international academic events conducted at German Institute of Global and Area Studies (GIGA), Hamburg; University of Brighton, UK; University of Bristol, UK; University of Edinburgh, Scotland; British Council, Birmingham; London School of Management and Education, London; and Jeju Island, South Korea.
- One well-furnished Virtual Classroom in each Academic Block with all paraphernalia for recording and production of online educational resources.
- Furnished labs for all science disciplines.

- Establishment of Advanced Language Lab in the Department of English and Foreign Languages
- Construction of three state of the art Academic Blocks
- Construction of four hostel buildings (two each for boys and girls) is in full swing and these will be ready by the commencement of the next academic session.

With the commitment of University fraternity and support of MHRD, UGC and Government of Haryana, the day is not far when Central University of Haryana shall be hailed as the first among its equals. I hope that this colloquium shall open new avenues for the development of constructive and healthy competition among the universities where each university shall be benefitted by the strength of other universities. Therefore, I urge upon all the academic leaders of the state of Haryana to actively participate in this collaborative venture.

Points/Areas deliberated during the Colloquium

S. No	Name of University	Name of Person	Points of Discussion/Areas of Collaboration	Contact No.	Email id
1.	SRM University	Dr. P. Prakash, Vice Chancellor	<ul style="list-style-type: none"> • Traffic management of roads • Bioinformatics • Bioengineering • Chemistry • Software for stress free driving • MoU with IBM for cloud computing and Big Data analysis • E-learning 	0130-2203720 (O)	vcsrmh@srmuniversity.ac.in
2.	The Northcap University	Dr. R. Narasimhan, Professor & Dean, School of Management.	<ul style="list-style-type: none"> • Central Research Facility • Holography Set up, Dr. Hukum Singh (Coordinator), hukum@ncuindia.edu • LCR Meter and I-V Picometer, Dr. Pranati (coordinator) pranati@ncuindia.edu • UV-Vis-NIR Spectrophotometer Dr. Tejpal Singh (Coordinator) tejpal@ncuindia.edu • Vacuum Coating Unit Dr. Ambika Devi (coordinator) ambika@ncuindia.edu • Hot Air Oven, Centrifuge Machine, Magnetic Stirrer with hot plate, Palletizer and Digital Ultrasonic Cleaner, Dr Tejpal and Dr. Dipti Yadav (Coordinator) • High Temperature Furnace, Dr. Dipti Yadav (Coordinator), diptivaya@ncuindia.edu • SEM and Compact Solar Simulator Dr Sunita Sharma (Coordinator) sunitasharma@ncuindia.edu 	9840085640(M)	ncu@ncuindia.edu r.narasimhan@ncuindia.edu
3.	Baba Mastnath	Dr. P. C. Juneja, Dean of Law, 3	<ul style="list-style-type: none"> • Student Exchange Programme • Book Bank, Sharing of online resources and other learning 	9896163054	markandeyahuja@g

	University	Faculty Members	resources		mail.com
4.	National Institute of Food Technology Entrepreneurship and Management.	Dr. Ashutosh Upadhyay , Scientist VI/ Professor & Head Food and Science & technology, Department and Dean (Academics)	<ul style="list-style-type: none"> • Legal literacy campaigns in rural and backward areas of Haryana • Food of Science & Technology • Food Engineering • Agriculture and Environmental Science • Food Business Management • Skill, Consultancy, Entrepreneurship • Library membership for individuals, institutions and other University • Haryana Cuisines (Haryana Ghevar) • 14 well equipped labs in Food Technology, Food Biotechnology, Microbiology, Fruits, Vegetables, Meat & Poultry, Milk & Dairy, Cereal, Grain etc. • Self Help Groups for farmers • Food and Packaged Food 	903402 2694	ashutosh@niftem.ac.in vc@niftem.ac.in
5.	Maharishi Dayanand University	Prof. G. K. Ghakhar,	<ul style="list-style-type: none"> • Discussion on Pandit Madan Mohan Malviya and qualities of a true leader. • Research facility available in Science and Life Science faculty. 	01262-274327 941617 3433	vc@mdurohtak.ac.in bkpunia@rediffmail.com gakharsk@gmail.com
6.	National Brain Research Centre	Prof Shiv Sharma, Scientist VI & Professor	<ul style="list-style-type: none"> • Neuroscience Research • Trained manpower in Brain Research • Facilities <ul style="list-style-type: none"> ✓ Molecular & Cellular Neuroscience ✓ Live Cell Images ✓ Spinning Disc Microscope ✓ 2-Photon Microscope ✓ MRI (3 Tesla, Philips) ✓ Structural and functional studies ✓ Confocal Microscope • Centre for Excellence for Epilepsy Magnetoencephalography • Electrophysiology set up • Animal facility (non-human 	0124-233892 9(O)	sharmas@nbrc.ac.in sharmas.nbrc@gov.in director@nbrc.ac.in subrata.sinha@nbrc.ac.in , subratasiha@nbrc.gov.in

			<ul style="list-style-type: none"> Primates) • Library (Digital) • Neuro Stem Cell research • Collaborative research <ul style="list-style-type: none"> ✓ Short term training ✓ Technical Courses in Neuroscience ✓ Expert lectures • Project Assistant <ul style="list-style-type: none"> ✓ PDFs ✓ Short-term training 		
7.	O. P. Jindal University	Dr. Y S R Murthy, Registrar	<ul style="list-style-type: none"> • Collaborative programmes • Information sharing <ul style="list-style-type: none"> ✓ Haryana Research portal ✓ Haryana wide network ✓ Haryana state Digital Library 	0130-305788 1 (O) 893011 0705(M)	ysrmurthy@jgu.edu.in vc@jgu.edu.in
8.	Jagan Nath University	Prof. H. L. Verma, Vice Chancellor	<ul style="list-style-type: none"> • Senior Faculty with wide experience can be shared • Skill development project from NSDC (Rs 7.00 Crores) 	01276-699700 1(O) 098927 2466(M)	vc@jaganathuniversityncr.ac.in
9.	Starex University	Prof. Ashok Diwakar, Vice Chancellor	<ul style="list-style-type: none"> • Collaboration in areas of faculty exchange and other facilities. 	805321 8888/7 027720 835/70 277208 37(M)	vc@starexuniversity.com
10.	Chaudhary Devi Lal University	Prof. Vijay Kumar, Vice Chancellor	<ul style="list-style-type: none"> • Academic Collaboration • MoU in specific areas • Special emphasis on students from rural Haryana • Roadmap of the programme may be carried out in consultation with Govt. of Haryana 	941647 5447(M) 01666-248052(O)	dr.vijaykay@yahoo.com
11.	Government of Haryana, District Mahendergarh, who represented on behalf of Sh. Ram Bilas Sharma,	Dr. Garima Mittal (DC Mahendergarh)	<ul style="list-style-type: none"> • Exposure of rural and local populace • Respect to faculty who help shape the destiny of their students • Research facilities relevant to local issues may get support from Haryana govt. • Gender sensitization Course for male students of colleges and University of Haryana • Contribute towards <i>Beti Bachhao Beti Padhao</i> scheme. 	01285-254000 (O) 01282-251200 (R)	dcnrl@hry.nic.in

	Education Minister, Government of Haryana.		<ul style="list-style-type: none"> • Swachh Bharat (develop programmes for disposal of waste of institution/utilization within the institution) (may get grant from State Government) • National Skill Mission, more orientation and connect with industry from Haryana) (may get grant from State Government) 		
12.	Chaudhary Charan Singh Haryana Agriculture University	Prof. K. P. Singh, Vice Chancellor	<ul style="list-style-type: none"> • Collaboration in Agricultural Sciences • Establishment of a collaborative center in CUH • Case study for reference—Hisar Knowledge Club as an outcome of collaboration of all institutes in Hisar • Science Direct Library (through INFLIBNET and NDL) • Faculty sharing to bridge the faculty shortfall • Consortium of Institutes for sharing and utilization of instruments • Technical staff for instruments- Skill based courses for producing technical staff for using these instruments. • Meeting of Directors, Dean and other top ranking Govt. officials. • Skill based program, specific to the state of Haryana • For Research facilities, Govt. Universities can help private Universities, and for teaching Private Universities can help Govt. Universities • Sharing of courses and teaching of ICT • Common meeting points of institutes to be identified 	01662-231640, 255258 (O)	vc@hau.e rnet.in
13.	Central University of Haryana	Dr. Aditya Saxena, Director, IQAC	<ul style="list-style-type: none"> • University seeks collaboration in implementing Enterprise Resource Planning Platform, University Management System, Learning Management System, Student Management System and other such 	981050 5144	adityasaxena@cuh. ac.in

			<p>platforms for e-governance.</p> <ul style="list-style-type: none"> • Research collaboration and collaboration on organizing National Seminar, Workshops, International Conferences, Extension Activities and Research Projects • Creation of facilities such as AIRF and Sharing of facilities either free of cost for state researchers or at concessional rates. • Academic exchange of students/researchers/faculty members • Possibilities of MOUs on teaching and students exchange programmes • Development of multi-institutional teams for writing/carrying out grants/projects involving more than 2 institutes - targeting various areas viz. translation research, bioprocessing, nanotechnology, etc. • Biomass Chemistry and Technology • Synthetic Organic Chemistry • Carbon Capture Chemistry • Bioprocess engineering • Biofuel and Bioenergy • Plant abiotic stress management • Clinical Biochemistry laboratory • Biochemical studies and immunoassay • Astrophysics • Nanoscience and materials • Glassy materials • Theoretical Condensed Matter Physics • Exploitation of microbes to mitigate and manage hazardous pollutants 		
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			<ul style="list-style-type: none"> • Assessment and mitigation of methane from the solid waste • Ambient and indoor air quality and its implications on environmental health • Non-parametric statistical techniques • Bayesian inference • Order statistics and distribution theory • Indian Government and Politics, Dalit Politics and Minority, Federalism and Political Economy, International Politics and Foreign Policy. • Expertise in Applied Econometrics (Time Series and Panel Analysis) • Laboratory for various psychological tests • Educational Psychology Laboratories • हिंदी एवं भारतीय भाषा विभाग हरियाणा प्रदेश के सांस्कृतिक, सामाजिक और साहित्यिक अध्ययन हेतु सहभागी हो सकता है। • जिन महाविद्यालय/विश्वविद्यालय में हिंदी विभाग नहीं है, वहाँ पर विश्वविद्यालय में उपलब्ध भाषा प्रयोगशाला के माध्यम से हिंदी भाषा कौशल हेतु विशेष कक्षाएं आयोजित की जा सकती हैं। • DDU KAUSHAL Kendra at Central University of Haryana is one of the few institutes of Haryana, working in the field of skill development. <ul style="list-style-type: none"> ✓ Running three B. Voc courses namely (a) Retails and Logistics Management, (b) Biomedical Science, (c) Industrial Waste Management ✓ Can offer 6 month certificate and 1 year diploma course • Haryana Institute of Lifelong 	
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			<p>Learning (HILL)</p> <ul style="list-style-type: none"> ✓ E-Content Development ✓ MOOCs ✓ Virtual Labs ✓ Recognizing and popularizing Research and Innovation relevant to Haryana ✓ Skill Based Courses and Training ✓ Meta Student Counseling and Placement Cell ✓ संयुक्त पंजाब प्रान्त 'लैंग्वेज कोरिडोर' के रूप में मौजूद था, हिंदी भाषा और विचार साहित्य के कई महत्वपूर्ण कार्यकर्ता और लेखक विचारक थे उन लेखकों और विचारकों के श्रमसाध्य कार्य को उजागर करने के साथ-साथ उनके महत्व का मूल्यांकन भी आवश्यक है क्योंकि किसी भी भाषा और समाज की संस्कृति का आभास उसकी वैचारिक स्थिति से पता चलता है। हिंदी गद्य के निर्माण में कलकत्ता, बनारस और इलाहाबाद जैसे केंद्रों से सब परिचित हैं परन्तु दिल्ली और लाहौर के बीच में उपस्थित आरंभिक गद्य लेखकों की भाषा से हिंदी व्याकरण सृजित होता है जिसकी तरफ बहुत कम लोगों का ध्यान जाता है। नवजागरण के दौर में हरियाणा हिंदी भाषा और साहित्य का एक महत्वपूर्ण केंद्र रहा है। इस महती कार्य में इस प्रान्त के महाविद्यालयों और विश्वविद्यालयों में कार्यरत शिक्षकों के सहयोग की आवश्यकता है। 		
14.	Central University of Haryana	Prof. R. C. Kuhad, Vice Chancellor	<ul style="list-style-type: none"> • Proforma under different heads, based on today's proceedings • Portal to this colloquium/ separate website to carry forward this objective. • Next meeting at different levels for a one day event. 	01285-249333(O)	vc@cuh.ac.in

Vice Chancellors' Colloquium on: "Sharing Resources for Quality Higher Education and Research"

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<p>Ms. Kamlesh Assistant, Health Centre Central University of Haryana Phone: 9467352799</p>	<p>Mr. S.M. Haris Team Information, Pvt. LTD. Central University of Haryana Phone:</p>
<p>Mr. Manoj Kumar Technician Auditorium Central University of Haryana</p>	<p>Deepika Sharma B.Ed. Student Central University of Haryana</p>

Sharing Resources for Quality Higher Education and Research
Dr. Aditya Saxena
Director, IQAC, Central University of Haryana, Mahendergarh

INTRODUCTION

- Collaboration and Competition are the two strategies for achievement of goals
- Building partnerships, collaborations and synergies are the way forward for knowledge creation and dissemination
- Goal for establishment of State and Central Universities is to provide quality education, produce highly skilled and responsible human resource and contribute to cutting edge research and innovations

- By building a networked community of academicians, intellectuals and researchers in the state of Haryana there will be judicious and mutually beneficial sharing of resources between Universities
- We need to interact, engage and pool resources, competencies and comparative advantages.
- The present exercise is an attempt to share various Best Practices and core competencies to succeed individually and collectively.

OUTLINE OF TODAY'S DELIBERATION

- ***Landmark research and innovation***
- ***Areas to support sister universities in Haryana***
- ***Areas where the department need support from other sister universities of the state***
- ***Best practices of the University***

LANDMARK RESEARCH AND INNOVATIONS

- Lignocellulose biotechnology including bioethanol production, enzyme production at pilot scale and application of lignocellulolytic enzymes in biofuel production, in pulp and paper bleaching for environmental protection.
- Bio-control and Plant Growth Promoting Rhizobacteria from semi-arid region of Haryana
- Waste water management
- Bioprocess development
- Development of biocovers for methane mitigation from wastes
- Understanding bacterial virulence and immune invasion
- Development of nanophosphors for use in wLEDS
- Ending Micronutrient Malnutrition through Value Added traditional fermented food Products from local origin
- Spatial and temporal variability of air quality.
- Screening out untapped properties of byproducts of cereal for exploring its utilization.
- Pharmacological preconditioning of stem cell to increase their survival upon transplantation into cardio vascular patients.
- Nuclear receptors as therapeutic target for vascular disease.
- Aptamer goldnanoparticles based detection of pathogenic bacteria
- Sustainable Development and Green Chemistry
- Synthetic Organic Chemistry and Natural Product Synthesis
- Porous Materials
- Polymer Chemistry including Polymer Technology and Nanotechnology of Polymers
- Technology Based Synthetic Transformations
- Crystal Engineering/Pharmaceutical Crystals
- Pioneering work on discovery of Fast Radio bursts – Ultra-High energy Astrophysical Process
- Optical materials for Photonics Systems and Devices
- Developed Beam Combiner Plate with the help of Ion Assisted Beam Deposition System and the same was provided to IRDE
- Electronic and Photoelectronic properties of modified Amorphous Semiconductors

- Optical glassy materials with required properties were developed
- Federalism and Intergovernmental Relations
- Regional Disparities
- Language change in a cultural context (राजस्थानी संस्कृति, समाज और आर्थिकी के परिप्रेक्ष्य में राजस्थानी भाषा के विकास पर शोध परियोजना)
- Applied Econometrics (Time Series and Panel Analysis)
- Developed variety of life time models in real life problems to analyze and address some basic questions in statistical inference under classical and Bayesian paradigm
- MGNREGA – Impact Assessment
- Conflict Resolution

INTERNATIONAL COLLABORATION

University faculty has wide international exposure for collaborative research/exchange programmes

- University of Manchester, UK
- University of Santiago, Chile
- Tampere University of Technology, Finland
- Rhodes University, Grahamstown, South Africa
- University of Brighton, UK
- University of Bristol, UK
- British Council, Birmingham, UK
- State University of New York, Syracuse, USA
- Syracuse University, New York, USA
- University of Alabama, USA
- University of Tennessee Medical Center, USA
- The Australian National University, Australia
- Institute of Organic Chemistry, Technical University, Germany
- Eberhard Karls University, Germany
- Kyoto University, Japan
- National Health Research Institute, Taiwan
- University of Central Florida, Orlando, USA
- London School of Management and Education, London, UK
- Jeju Island, South Korea
- Korea Institute for Advanced Studies, Seoul, South Korea
- Canadian Institute for Theoretical Astrophysics, Canada
- Carnegie Mellon University, USA
- National Astronomical Observatory of CAS, Beijing, China
- Institute of Molecular Medicine, University of Texas, USA
- Department of Medical Oncology, Harvard Medical School, USA
- Department of Biomedical Engineering, Tufts University, USA
- Weizmann Institute of Science, Israel
- University of Paris, France
- City University, London
- University of Cincinnati, Ohio, USA

- Prof. R. C. Kuhad, has collaborative research programmes with Tampere University of Technology, Finland, and Rhodes University, Grahamstown, South Africa
- Dr. Kashyap K Dubey, Department of Biotechnology has major research collaboration with University of Lisbon, Portugal and University of Catholic de Louvain, Belgium, K U Leuven University, Belgium
- Dr. Chanchal K Sharma, Department of Political Science is Associate Fellow at German Institute of Global and
- Area Studies, Germany, and also has major research collaboration with the University of Edinburgh, Scotland

INNOVATIONS

- Student innovators under CISED developed the concept of Air Car, organic Bartan Bar, Broom Making Machine, Roof Cleaner, Natural Floor Cleaner, Sign boards using LEDs, Folding Stair Case, Hand-Operated Electricity Generator, Electric Power Generation on Speed Breakers, Wood Craft and innovative bird feeder.
- We are proud to share that the innovation of Electric Power Generation on Speed Breakers got first prize in the International Electrical Vehicle EXPO-2016, Pragati Maidan, New Delhi.
- University organises Innovation and Shodh Yatras regularly under the aegis of CISED involving student innovators and other grass root level innovators.

AREAS TO SUPPORT SISTER UNIVERSITIES IN HARYANA

Areas to Assist

- Funding of 13.24 crores under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching, MHRD for various research and academic activities
- In developing research conglomerate
- Specific course exchange programme with sister universities
- Possibilities of joint curriculum development initiates.
- Curricula development in relevant disciplines
- Faculty Development Programme
- Undertake collaborative research
- Assist the sister Universities in paper setting, evaluation and in conduct of various practical examinations or for any other academic activities

Expertise in the Following Fields to Assist Sister Universities

☐ Department of Biotechnology

- ✓ *Bioprocess engineering*
- ✓ *Biofuel and Bioenergy*
- ✓ *Structural biology*
- ✓ *Plant abiotic stress management*

☐ Department of Biochemistry

- ✓ *Clinical Biochemistry laboratory*
- ✓ *Biochemical studies and immunoassay (Blood, Serum, urine etc.)*

☐ Department of Physics

- ✓ Astrophysics
- ✓ Nanoscience and materials
- ✓ Glassy materials
- ✓ Theoretical Condensed Matter Physics
- ❑ **Department of Environmental Sciences**
 - ✓ Ground water quality and its implications on public health
 - ✓ Role of Remote sensing & GIS applications
 - ✓ Assessment of soil health and quality in agricultural practices
 - ✓ Exploitation of microbes to mitigate and manage hazardous pollutants
 - ✓ Biofuels production
 - ✓ Assessment and mitigation of methane from the solid waste
 - ✓ Ambient and indoor air quality and its implications on environmental health
- ❑ **Department of Statistics**
 - ✓ Expertise in the following fields to assist sister Universities
 - ✓ Non-parametric statistical techniques
 - ✓ Life testing experiments
 - ✓ Bayesian inference
 - ✓ Order statistics and distribution theory
- ❑ **Department of Political Science**
 - ✓ Indian Government and Politics, Dalit Politics and Minority, Federalism and Political Economy, International Politics and Foreign Policy.
- ❑ **Department of Economics**
 - ✓ Expertise in Applied Econometrics (Time Series and Panel Analysis)
- ✓ **Department of Psychology:** Laboratory for various psychological tests
- ✓ **Department of Education:** Educational Psychology laboratories
- ❑ **Department of Hindi**
 - ✓ हिंदी एवं भारतीय भाषा विभाग हरियाणा प्रदेश के सांस्कृतिक, सामाजिक और साहित्यिक अध्ययन हेतु सहभागी हो सकता है।
 - ✓ जिन महाविद्यालय/विश्वविद्यालय में हिंदी विभाग नहीं है, वहाँ पर विश्वविद्यालय में उपलब्ध भाषा प्रयोगशाला के माध्यम से हिंदी भाषा कौशल हेतु विशेष कक्षाएं आयोजित किया जा सकता है।
- ❑ **Deen Dayal Upadhyaya KAUSHAL Kendra**
 - ✓ DDU KAUSHAL Kendra at Central University of Haryana is one of the few institutes of Haryana, working in the field of skill development
 - ✓ We offer 6 month certificate and 1 year diploma course
 - ✓ Mandatory skill based training in the areas of industry specialization
 - ✓ Skill courses aligned with National Skill Development Corporation (NSDC) and various sector skill councils viz., Skill Council for Green Jobs (SCGJ), Retailers Association's Skill Council of India (RASCI) & Life Science Sector Skill Development Council (LSSSDC).
 - ✓ MoU(s) with ReLops Pvt. Ltd., SVI Analytica and Mark Exhaust Pvt Ltd for industrial training.

- ✓ Students of completed internship/on the job training in the reputed companies like Future Retail Ltd., Reliance Trends Ltd., SVI Analytica, Mark Exhaust Pvt Ltd, Whirlpool India Pvt. Ltd. Etc.

AREAS OF COLLABORATION WITH SISTER UNIVERSITIES OF HARYANA

Areas of Collaboration

- University seeks collaboration in implementing Enterprise Resource Planning Platform, University Management System, learning Management System, Student Management System and other such platforms for e-governance
- Research collaboration and collaboration on organizing National Seminar, Workshops, International Conferences, Extension Activities and Research Projects
- Support from the sister universities to build up research collaboration so that start-up of research may achieved.
- Organization of various awareness campaigns based on recent innovation in various social issues like agriculture, education, health etc.
- Creation of facilities such as AIRF and Sharing of facilities either free of cost for state researchers or at concessional rates.
- Educational visits and training of students and faculty in specialized areas pertaining to strength/expertise of the institute
- Academic exchange of students/researchers/faculty members
- Adjunct positions for the faculty members in other institutes
- Possibilities of MOUs on teaching and students exchange programmes especially with Kurukshetra University (KU) and Guru Jambheshwar University of Science and Technology (GJUS&T), Hisar
- Development of multi-institutional teams for writing/carrying out grants/projects involving more than 2 institutes - targeting various areas viz. translation research, bioprocessing, nanotechnology, etc.

SPECIFIC NEEDS OF VARIOUS DEPARTMENTS OF CENTRAL UNIVERSITY OF HARYANA

❑ Department of Biotechnology

- ✓ Central Instrument facility XRD, SEM, FTIR, Nano-fabrication unit, NMR, GJUS&T
- ✓ Tissue culture, Green house facility and collection of Germplasm, CCSHAU
- ✓ Sequencing facility, LUVAS, MDU
- ✓ Liquid N₂ plant, NIR, Flash Chromatography, AKTA Prime, Nano-HPLC MDU
- ✓ UHS: for collection of biological fluid (for hospital aqueous waste)
- ✓ Bioinformatics Facility (BIC) facility developed in sister universities

❑ School of Engineering and Technology

- ✓ Workshop facility at GJU S & T Hisar and DCRUST Murthal
- ✓ Mechanical Engineering and Printing & Packaging Technology from GJUS&T
- ✓ Civil Engineering with DepartDCRUST, Murthal
- ✓ Computer Science and Engineering; and Mechanical Engineering from YMCA University of Science & Technology Faridabad

❑ **Department of Physics**

- ✓ XRD, FTIR, NMR, SEM, AFM from GJUS&T and DCRUST
- ✓ Accelerator and other facilities from KU

❑ **Department of Statistics**

- ✓ Reliability modelling
- ✓ Design of experiment
- ✓ Sampling techniques
- ✓ Regression modelling

❑ **Department of Biochemistry**

- ✓ Stem Cell research
- ✓ Cancer Research
- ✓ Nanobiotics
- ✓ Nanobiosensing
- ✓ Angiogenesis and Diabetic Research
- ✓ Probiotics

❑ **Department of Mathematics**

- ✓ Requirement of visiting/guest faculty for PG students for current important topics (Cryptography, Information Theory, Mathematical Modelling, Wavelet Analysis, Mathematical Biology etc.)
- ✓ Internship/Full Semester Dissertation of Master Students

❑ **Department of Environmental Sciences**

- ✓ Assessment of organic and inorganic water and air chemistry
- ✓ Bioreactor facilities
- ✓ Estimation of GHGs flux and development of simulation models to assess their emission in different biocovers

❑ **Department of Journalism and Mass Communication**

MoU with The Institute of Mass Communication and Media Technology (IMCMT) of Kurukshetra University to utilize their Graphics lab

BEST PRACTICES OF THE UNIVERSITY

- All the departments of Central University of Haryana have adopted CBCS system
- Most of the Departments offering research based project/dissertation in their 4th semester
- Inter and Multi-disciplinary approach by offering General Elective Courses (GEC)
- Implementing ICT mediated Teaching-Learning pedagogy
- Establishment of 5 virtual classrooms
- Renowned national and international experts invited to interact with students on a regular basis
- International Faculty exchange through Global Initiatives of Academic Networks (GIAN) courses (8 courses sanctioned till date)

SPECIFIC HIGHLIGHTS OF VARIOUS SCHOOLS OF CENTRAL UNIVERSITY OF HARYANA

School of Language, Linguistics, Culture and Heritage

- ✓ Department of English and Foreign Languages has well furnished Language Lab
- ✓ Department of Hindi and Indian Languages provides training through language lab

School of Law, Governance, Public Policy and Management

- ✓ Department of Law organised Legal literacy camps/surveys, *nukkad nataks*, awareness campaigns

School of Arts, Humanities and Social Sciences

- ✓ The Department of history and Archaeology has established a museum from the ancient sites of Harappan and Mohenjodaro Civilizations in Haryana

School of Earth, Environment and Space studies

- ✓ Department of Environmental Sciences engage with local community to generate awareness about various pollutants and their management

School of Interdisciplinary and Applied Life Science

- ✓ Central University of Haryana is the first University to start a full time regular 2 year Master's program in Nutrition Biology.
- ✓ The Department of Nutrition Biology is an approved Training Partner (TP) for the FoSTaC (Food Safety Training & Certification) Portal of FSSAI (Food Safety & Standard Authority of India)
- ✓ Celebrating national nutrition weeks, Organized various camps to create awareness regarding different aspects of community nutrition through *nukkad nataks*, plays, awareness campaigns etc.
- ✓ Department of Biotechnology has organised various seminars and conferences on the themes of Biotechnology for sustainable Development, GNR Born day, and DNA Day

PROPOSED AREAS FOR CREATING SYNERGIES, COLLABORATIONS AND EXCHANGES

- ✓ *Haryana Institute of Lifelong Learning*
- ✓ *Clinical Biochemistry laboratory :To analyze patient's samples for Biochemical studies and immunoassay*
- ✓ Need to establish a clinical Biochemistry lab to analyze patient's samples (Blood, Serum, urine etc.) for detection of various diseases as cost of such tests very high from private labs.
- ✓ Help the whole state and cut down the cost by 80 percent.
- ✓ Support from different state universities for the clinical lab establishment
- ✓ Charge patients with user charges only
- ✓ The tentative cost would be Rs. 50 lacs to establish the facility and cost can be further cut down if we wish to establish lab for just Biochemical studies and exclude immunoassay. In that scenario cost can be cut down by Rs. 20 lacs.
- ✓ संयुक्त पंजाब प्रान्त 'लैंग्वेज कोरिडोर' के रूप में मौजूद था, हिंदी भाषा और विचार साहित्य के कई महत्त्वपूर्ण कार्यकर्त्ता और लेखक विचारक थे उन लेखकों और विचारकों के श्रमसाध्य कार्य को उजागर करने के साथ-साथ उनके महत्व का मूल्यांकन भी आवश्यक है क्योंकि किसी भी भाषा और समाज की संस्कृति का आभास उसकी वैचारिक स्थिति से पता चलता है। हिंदी गद्य के निर्माण में कलकत्ता, बनारस और इलाहाबाद जैसे केंद्रों से सब परिचित हैं परन्तु दिल्ली और लाहौर के बीच में उपस्थित आरंभिक गद्य लेखकों की भाषा से हिंदी व्याकरण सृजित होता है जिसकी तरफ बहुत कम लोगों का ध्यान जाता है। नवजागरण के दौर में

हरियाणा हिंदी भाषा और साहित्य का एक महत्वपूर्ण केंद्र रहा है। इस महती कार्य में इस प्रान्त के महाविद्यालयों और विश्वविद्यालयों में कार्यरत शिक्षकों के सहयोग की आवश्यकता है।

Skill Development

- ✓ University awarded the Deen Dayal Upadhyay KAUSHAL Kendra
- ✓ Running three B. Voc courses namely (a) Retails and Logistics Management, (b) Biomedical Science, (c) Industrial Waste Management

Meta Student Counselling and Placement Cell

Coordinated Outreach Activities

Eager to have your ideas on how we can create a win-win ecosystem for research, innovation and administrative efficiency?

Sharing Resources for Quality Higher Education and Research

Dr. R. Narasimhan, Professor of Strategy and Entrepreneurship, Dean, School of Management, The NorthCap University, Gurugram

Research Infrastructure

- Identifying complimentary interests
- Sharing success stories
- Sharing best practices
- Research centers – sharing research infrastructure amongst all the partnering universities.
- Developing a working model.

Central Research Facility

- Will increase the visibility of the University.
- Will lead to research collaborations with other universities.
- Will enhance the number of PhD students.
- Workshop and training sessions will be conducted for outside users.
- Will lead to good publications in journals of international repute
- The funding received from outsourcing of CRF can be utilized for maintenance of equipment.

CRF User SOP

- [CRF Users SOP.docx](#)

National Brain Research Centre

*Shiv Sharma, Scientist VI/Professor, National Brain Research Centre
Manesar, Haryana-122051*

- National Brain Research Centre is the only institute in India dedicated to neuroscience research and education
- Deemed University

Mandate:

To conduct research to understand brain function in health and disease.

To Generate trained manpower to conduct research in Neuroscience

Programs at NBRC

1. MSc (Neuroscience)
 2. PhD (Neuroscience)
- Project Assistants
Postdoctoral fellow
Short-term training

Facilities at NBRC

Molecular and Cellular Neuroscience: State-of the-art facility to conduct neuroscience research at molecular and cellular level

Centrifuges

Ultracentrifuge

PCR machines

Low temperature freezers

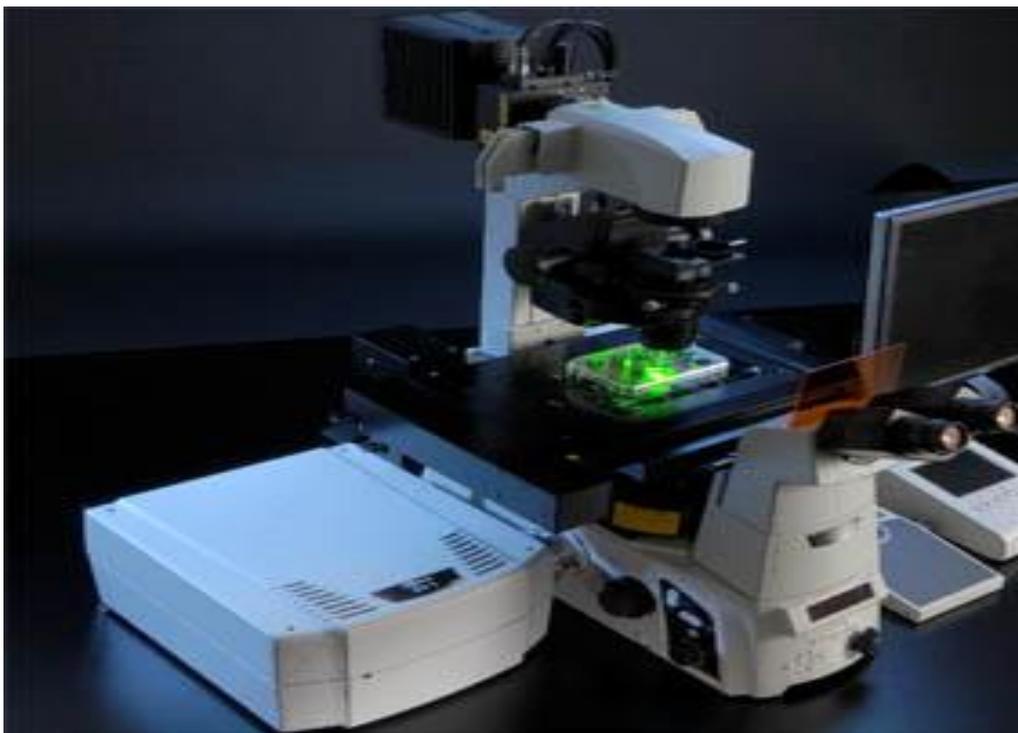
Ice machine

Glassware washing machine

Imaging Facility

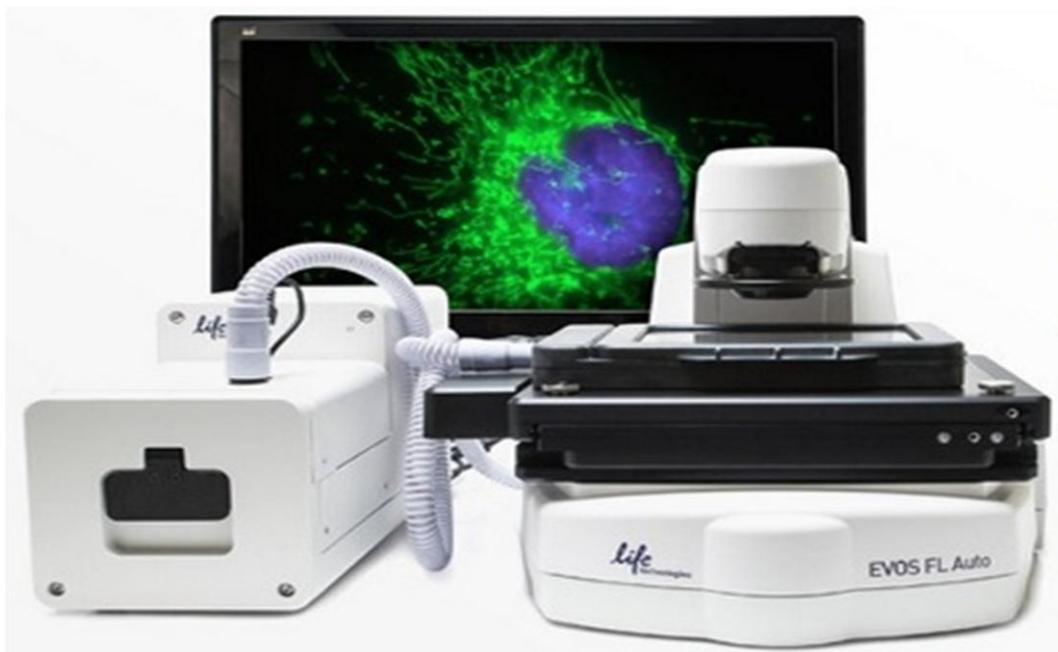
Confocal Microscope

Good resolution, optical sectioning, reconstruction of 3-D image

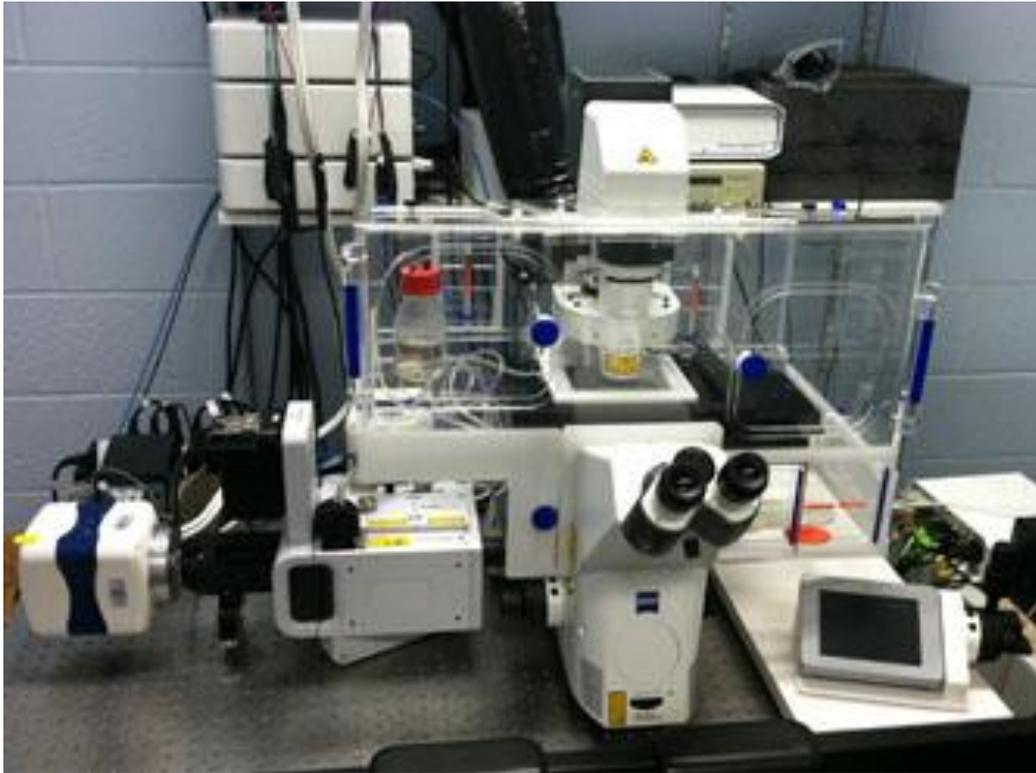


Spinning Disc Microscope

Live Cell Imager

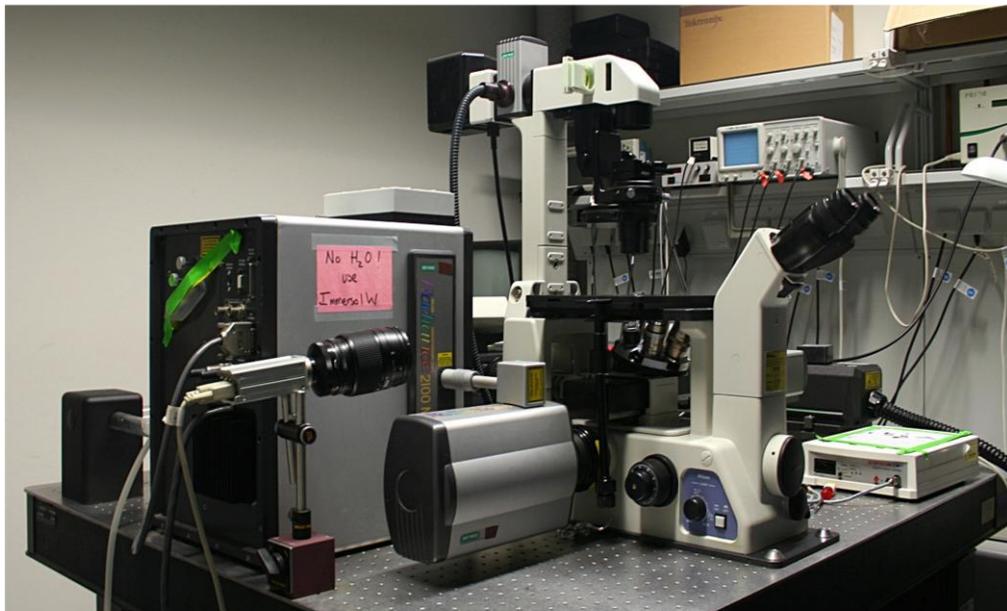


Spinning Disc Microscope



Photon Microscope

Two-photon microscopy allows imaging of living tissue to the depth of 1 mm.

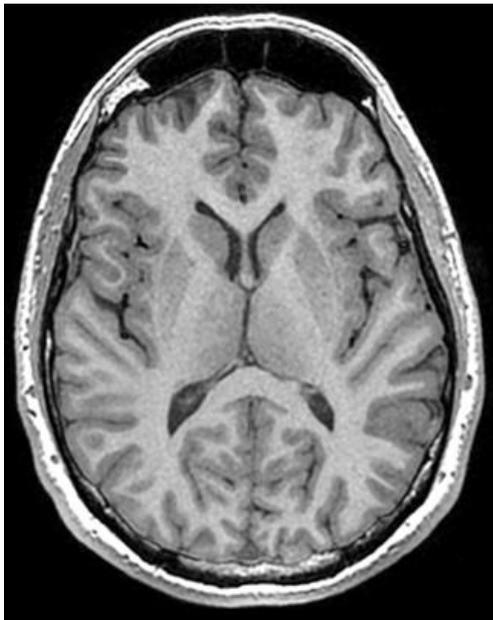


National Neuroimaging Facility

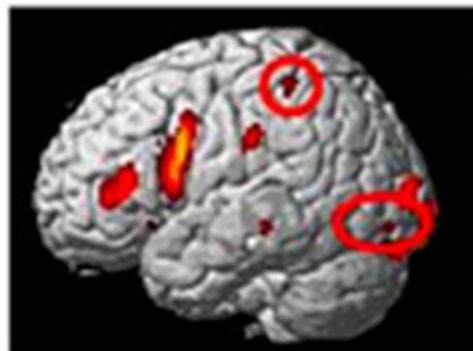
Magnetic Resonance Image



Structural MRI



Functional MRI



Centre of Excellence for Epilepsy

Magnetoencephalography is used for recording magnetic fields produced by brain activity



<https://www.illumin.com/imaging/technology/meg-scanning.aspx>



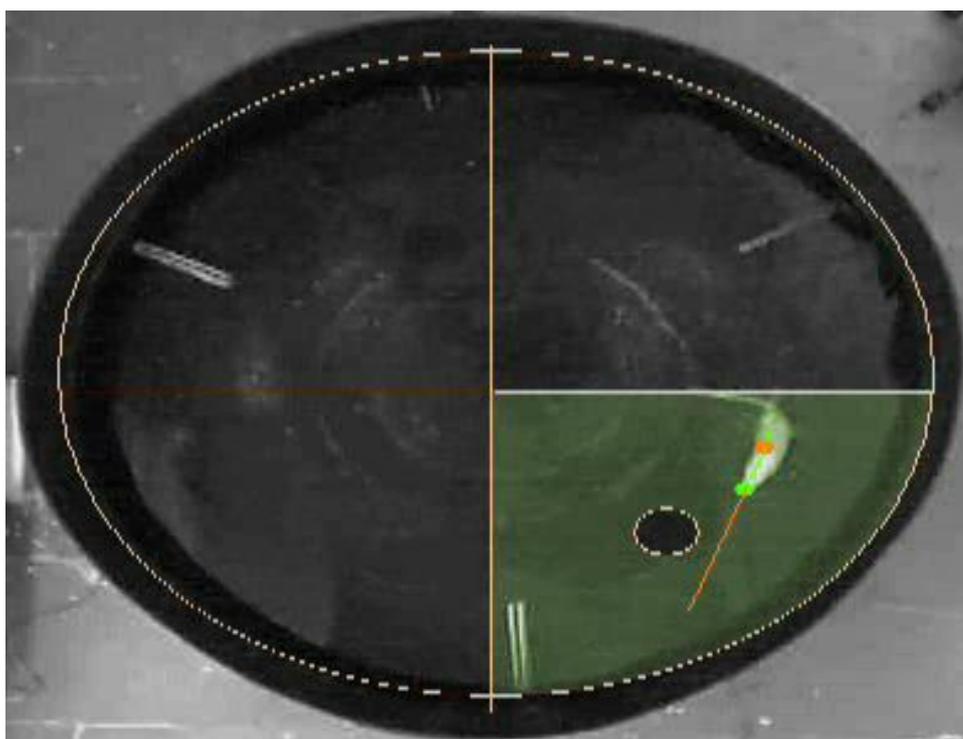
<http://www.mcgill.ca/med/department/neurosurgery/operating-room>

Electrophysiology Set-Up



Behavioral Analyses

- Object recognition task
- Rota Rod task



Animal Facility:

- Rodents, birds, non-human primates
- Animal models for neurological diseases

Library: Digital Library: Delcon

- Collaborative research
- Short-term training
- Deliver lectures
- Teach courses in Neuroscience

National Institute of Food Technology Entrepreneurship and Management
(NIFTEM)

A Deemed to be University (De-Novo Category) under Section 3, UGC Act, 1956 &

An Autonomous Institution of Ministry of Food Processing Industries, GoI

Vision

To be a centre of excellence which integrates all facets of food technology, entrepreneurship & management and be recognized as the focal point for catalyzing the growth of the Indian food processing industry in the global context.

Mission

- To empower farmers to become entrepreneurs & provide a business model to agriculture.
- To produce business leaders, develop globally competitive processes and technologies and international best practices in the area of food technology, entrepreneurship and management.
- To carry out R&D in frontier areas, develop world – class technologies and assist the Government in policy making on food processing.
- To be a prime academic institution in the areas of food technology, entrepreneurship and management, to offer courses and training programmes of global standards.

DEEMED TO BE UNIVERSITY STATUS

- MHRD declared NIFTEM a **Deemed to be University** under De Novo Category in May **2012**.
- **De-Novo Category** Mandates to work in **Emerging Areas of Knowledge with TECHNO MANAGERIAL APPROACH**
- **First University** of its kind **in India** under **De-Novo Category** after **notification of UGC Regulations** for Deemed to be Universities **2010**.
- **Voluntary approval** of AICTE is taken in **2013**.

Academic Structure: Programme, Departments & Divisions

Programmes	Departments	Divisions
B.Tech(2012-13)	Department of Food Science and Technology	Skill Development Division
M.Tech(2012-13) (FSCM, FSQM, FPEM, FPOM & FTM)	Department of Food Engineering	Consultancy Division
MBA (2016-17)	Department of Basic and Applied Sciences	Centre for Entrepreneurship Development
Ph. D (2013-14)	Department of Agricultural and Environmental Sciences	Corporate Resource Division
	Department of Food Business Management	

INFRASTRUCTURE: LIBRARY

- State-of-the-art NIFTEM Knowledge Centre – a fully automated multi-level five storey 5474.29 Sqmt is housed in aesthetically designed boat shaped signature building of the NIFTEM campus. NKC is currently functioning on ground and first floor.
- NKC Web-OPAC
- NKC has implemented 3M's EM-RFID for security system.
- Self issue/return facility
- E – Reservation facility for books.
- VTLS ILM Software
- Monday to Sunday: 9.00 AM to 10.00PM
- Before 15 days of exam and during exam: 9.00 AM to 12.00 A.M. midnight.
- Remains closed on Gazetted holidays



- Newspapers-Clippings Service: Daily basis
- Database Access & Retrieval
- NKC News Alert : Bimonthly basis
- Online Public Access Catalogue
- Remote access through Ezproxy
- Turnitin anti-plagiarism database service
- Resource Sharing and Networking
- Organization of Book Exhibition
- Technical Demonstration
- User Education etc.

The Campus

- Green Campus
- Rated as Platinum for Green Building
- Rich in amenities & neighborhood facilities
- 800 sitting capacity Auditorium
- Dedicated Student Activity Centre
- 2 MW solar power – Roof Top





Panoramic View of the Campus



NIFTEM Contribution to R & D

Research Programmes

- M.Tech & B.Tech Research Programs : 6 months - one year
- Ph.D Research Programme : 36 Months
- Internally/ Externally funded Research projects (For faculty)
- **Innovation fund scheme for NIFTEM students (M.Tech & B.Tech)** : Provide students support & platform for realization of innovative research ideas for providing solutions to food industry
- **Status papers related to aspects of food processing industry** : An initiative of collecting authentic information on identified important issues to help various stakeholders of the food sector.
- **Industry collaborative projects**
- **Projects under 'Make in India' program**

Eco-systems for R&D at NIFTEM

- ❖ 14 well equipped laboratories with State of the art Equipment
- ❖ Chem. & Bio-Chem, Microbiology, Food Processing Technology, Food Engineering, Workshops, Electrical & Electronics, Animal product technology, Dairy Engineering, Central Advanced Analytical Instrumentation (GC, HPLC, GC-MS, ICP-OES, AAS, CHNS, DSC, TGA, FTIR)
- ❖ **International Centers of Excellence**
International Center for Food safety and Quality(ICEISQ) (with upcoming state-of-the-art Food testing laboratory)
- ❖ **Pilot Plants**
Five Pilot Plants being established to serve as incubation centres for providing Incubation facilities to new Entrepreneurship as well as existing food Industry.

To cater to the needs of the food industry (large scale, medium, small & micro scale enterprises) NIFTEM is in the process of setting up five Pilot Plants within its campus covering the following sectors.

Pilot Plants

- 1. Fruits and Vegetables products**
- 2. Meat and Poultry Products**
- 3. Milk and Dairy Products**
- 4. Cereal, Grain and Bakery Products**
- 5. Ready to eat Indian Traditional Food Products**

Food Testing Laboratory at NIFTEM

- Infrastructure is ready NABL preparation are over
- Laboratory to be Accredited as per ISO 17025

Laboratory to serve as a :

- National Referral lab for quality certification of raw & processed food products
- Center for Risk Assessment studies (In collaboration with FSSAI)

Eco-systems for R&D at NIFTEM





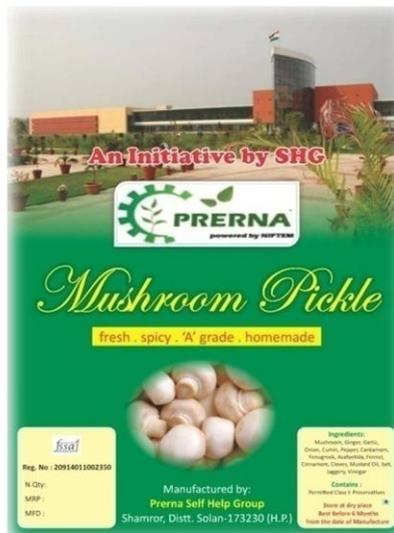
List of Externally Funded Research projects

Sr. No.	Title of project
1.	Antibiotic resistance in lactobacilli of food and faecal origin & detection of genes influence of stress and horizontal transfer.
2.	Evaluation of green functional foods fortified with cereal grasses in reducing risk of metabolic syndrome
3.	Evaluation of anti-biofilm, anti-microbial effect of natural compounds against food-borne pathogens
4.	Effect of Microfluidizer on the quality of fruit flavoured and low-fat yoghurt
5.	Development of riboflavin enriched probiotic fermented product to mitigate riboflavin deficiency in India and South African children
6.	Developing protocols for storage of fruits & Vegetables

Village Adoption Programme- Initiative to Empower Rural Economy

- NIFTEM initiated a unique Nation Building Initiative called the “Village Adoption Programme”.
- Conceptualized for Linking Rural Entrepreneurs and Farmers to the Mainstream Economy
- VAP implemented since 2012.

- Aims to help the Indian Food Processing Sector accomplish its objective of all-inclusive growth by integrating the underprivileged sections of our population with the mainstream economy.
- Compulsory: part of Course curricula of B. Tech./ M. Tech. / MBA.



Initiative of Rashtrapati Bhavan (RB)- Success Stories

- The total no. of success stories in 5 villages under RB initiative was more than 10 in which some are as follows:-

1. Name: Mr. Pardeep



An Entrepreneur, is selling spices under the brand name “KRINI”.

- FSSAI Registration for Repacker’s License
- NSIC Training & Certification
- Certificate of Appreciation from VAP & Skill Division Cell
- Good Hygienic Practices & Good Manufacturing Practices

1. Name: Pawan Dev



- Generation of Idea: After attending Five days skill Dev. Training at NIFTEM
- Looking for : Setting up a bakery unit
- Availability of Land: 1500 Sq Ft shade area
- Initial Capital Investment: Approx. 11 Lakh
- Seeking loan for : Rs. 9,90,000/-

2. Name: Alka w/o. Pushpender Raghav



- Generation of Idea: After attending Five days skill Dev. Training at NIFTEM
- Looking for : Mini Flour Mill
- Availability of Land: 5000 Sq Ft in which 2000 Sq ft shade area
- Initial Capital Investment: Approx. 11 Lakh
- Seeking loan for : Rs. 9,90,000/-

3. Name: Kuldeep Singh Raghav



- Generation of Idea: After meeting NIFTEM Managers
- Looking for : Bakery
- Availability of Land: 3000 Sq Ft in which 2100 Sq ft shade area
- Initial Capital Investment: Approx. 11 Lakh
- Seeking loan for : Rs. 9,90,000/-

Agriculture Leadership Award in Entrepreneurship Development in Food Sector

॥ दैनिक जागरण नई दिल्ली, 21 सितंबर 2015

जागरण सिटी
गोहाना/बरोदा/खानपुर कलां

www.jagran.com

निफ्टम को मिला एग्रीकल्चर लीडरशिप अवार्ड



राष्ट्रीय खाद्य प्रौद्योगिकी उद्यमशीलता प्रबंधन संस्थान के कुलपति डॉ. अजीत कुमार को सम्मानित करते केंद्रीय गृह मंत्री राजनाथ सिंह।

जागरण संवाददाता, सोनीपत : निफ्टम के गांव गोद लेने के कार्यक्रम को व्यापक रूप से राष्ट्रीय स्तर पर सराहा गया। दिल्ली में 18 सितंबर को एग्रीकल्चर टुडे ग्रुप की ओर से आयोजित शिखर सम्मेलन में निफ्टम को कृषि क्षेत्र में उद्यमिता को बढ़ावा देने के लिए कृषि नेतृत्व पुरस्कार देकर सम्मानित किया गया। इसकी जूरी की अध्यक्षता प्रोफसर एमएस स्वामीनाथन ने की। यह पुरस्कार केंद्रीय गृहमंत्री राजनाथ सिंह द्वारा प्रदान किया गया। इस मौके पर देशभर की विशिष्ट हस्तियां मौजूद रहीं।

Appreciation by 13th Standing committee of the Parliament

- The committee directed to enlarge program by adopting more villages.
- The committee directed the MoFPI, GoI to make necessary funds available to NIFTEM so that the programme could be enlarged and taken to next higher level.

Placement: 100%

- **100% Placement to eligible and desiring : 2016 onwards**
- Total of 66 companies participated
- B.Tech. first batch has recorded an **International Placement with Rs. 14 LPA** with posting in **Singapore and Switzerland.**
- M. Tech. has recorded **Highest Package of Rs. 10 LPA.**
- **Average salary for B.Tech** graduates is Rs. 4.33 LPA.
- **Average salary of M. Tech** is Rs. 4.60 LPA.

Future Plans and Major Initiatives

- Declaring NIFTEM as an Institute of National Importance
- Frontline Demonstration-cum-Primary Processing Centers
- Technology Incubation Centre
- Efforts towards Industry Collaborative Research
- Collaboration with research organisation / Institutes for cutting edge research
- To take up skill development as a part of skill India initiative
- Expert lectures through video conference and creating video library

शिक्षा की गुणवत्ता पर मिलकर काम करने पर बल

हरियाणा केंद्रीय विवि में शिक्षा की गुणवत्ता, अनुसंधान और हरियाणा की सांस्कृतिक धरोहर के संरक्षण के लिए समागम

अमर उजाला ब्यूरो
महेंद्रगढ़।

शिक्षा की गुणवत्ता, अनुसंधान की उपयोगिता और हरियाणा की सांस्कृतिक धरोहर के संरक्षण के लिए शनिवार 14 अक्टूबर को राज्य के विभिन्न विश्वविद्यालयों का एक समागम हरियाणा केंद्रीय विश्वविद्यालय में आयोजित किया गया। कुलपति प्रो. आरसी कुहाड़ ने समागम में सम्मिलित हुए करीब 18 विश्वविद्यालयों के कुलपतियों और उनके प्रतिनिधियों के समक्ष कहा कि अब समय आ गया है कि शिक्षा की गुणवत्ता के लिए मिलकर काम किया जाए। कुलपति ने इस समागम को इस दिशा में बढ़ने वाला एक अहम कदम बताया और कहा कि जल्द ही आपसी शैक्षणिक साझेदारी के लिए विभिन्न विश्वविद्यालयों को एकजुट कर एक पोर्टल तैयार किया जाएगा।

मानव संसाधन विकास मंत्रालय के पंडित मदन मोहन मालवीय नेशनल मिशन ऑन टीचर्स एंड टीचिंग योजना के अंतर्गत हरियाणा केंद्रीय विश्वविद्यालय के आंतरिक गुणवत्ता आस्वासन प्रकोष्ठ की



समागम समारोह में हिस्सा लेते 18 विश्वविद्यालय के कुलपति।

ओर से शैक्षणिक खंड 1 में आयोजित इस समागम में राज्य के शिक्षा मंत्री प्रो. रामबिलास शर्मा के प्रतिनिधि के तौर पर जिला उपायुक्त डॉ. गरिमा मित्तल उपस्थित रही। कार्यक्रम में विशिष्ट अतिथि के तौर पर हरियाणा कृषि विश्वविद्यालय, हिसार के कुलपति प्रो. केपी सिंह शामिल हुए। डॉ. गरिमा मित्तल ने कहा कि उनके लिए यह एक उम्दा अनुभव है कि विभिन्न

प्रशासनिक कार्यों से इस राज्य के विभिन्न विश्वविद्यालयों के कुलपतियों व उनके प्रतिनिधियों के साथ संवाद का यह अवसर मिला। उन्होंने इसके लिए प्रो. आरसी कुहाड़ का धन्यवाद करते हुए कहा कि उनकी चाह है कि विश्वविद्यालय अपने इस प्रयास के माध्यम से शिक्षा के स्तर को बेहतर बनाने के साथ-साथ स्वच्छ भारत मिशन और बेंटी बचाओ बेंटी पढ़ाओ की

दिशा में भी अपने संस्थानों से सकारात्मक प्रयासों को महत्व दे।

कुहाड़ ने कहा कि यह पहला ऐसा मौका है जब हरियाणा के किसी विश्वविद्यालय में इस तरह से विभिन्न विश्वविद्यालयों को एकजुट कर बेहतर शिक्षा, अनुसंधान व संस्कृति के संरक्षण को लेकर चर्चा हो रही है। उन्होंने कहा इस प्रयास को हम आगे ले जाएंगे और जल्द ही विभिन्न विश्वविद्यालयों का एक ऐसा पोर्टल तैयार होगा जहां वे एक-दूसरे से साझेदारी कर उच्च शिक्षा को बेहतर बनाने के लिए प्रयास कर पाएंगे। कार्यक्रम में विशिष्ट अतिथि प्रो. केपी सिंह ने कहा कि आपसी साझेदारी का यह कदम आने वाले समय में एक महत्वपूर्ण कदम साबित होगा। समागम में प्रो. पी. प्रकाश, कुलपति एसआरएम विश्वविद्यालय, सोनीपत, प्रो. एचएल वर्मा, कुलपति, जगन्नाथ विश्वविद्यालय, बहादुरगढ़; डॉ. अशोक दिवाकर, कुलपति, स्टारएसस विश्वविद्यालय, मानेसर, प्रो. विजय कुमार कायत, चौधरी देवीलाल विश्वविद्यालय, सिरसा; प्रो. वाइएसआर मुर्ति, कुलपति, आमप्रकाश जितल प्लोबल

विश्वविद्यालय, सोनीपत के कुलपति सहित विभिन्न विश्वविद्यालयों के प्रतिनिधि शामिल हुए। इनमें डॉ. आर. नरसिंहमन, नार्थकैप विश्वविद्यालय, गुरुग्राम; प्रो. पीसी. जुनेजा, बाबा मस्तनाथ विश्वविद्यालय, रोहतक, प्रो. शिव कुमार शर्मा, नेशनल बेन रिसर्च सेंटर, मानेसर; प्रो. एस. के. गवड़, महर्षि दयानंद विश्वविद्यालय, रोहतक, प्रो. आशुतोष उपाध्याय, निप्टम, कुंडली के नाम शामिल हैं। कार्यक्रम के दौरान विभिन्न विश्वविद्यालयों के कुलपतियों व प्रतिनिधियों ने अपने यहां उपलब्ध सुविधाओं व संसाधनों की जानकारी दी और सहयोग के आगे बढ़ने पर सहमति दी। कार्यक्रम के अंत में धन्यवाद ज्ञापन दिया। इस अवसर पर विश्वविद्यालय के शैक्षणिक मामलों के अधिकारी प्रो. ए.जे. वर्मा, छात्र कल्याण अधिकारी डॉ. बीर सिंह, स्वामी दयानंद सरस्वती पीठ के चेयर प्रोफेसर रणवीर सिंह, पोस्टर प्रो. मनीश कुमार, प्रो. नवल किशोर, डॉ. मारिका शर्मा और विभिन्न विभागों के विभागाध्यक्ष शामिल हुए।

हकेंवि में समागम; शैक्षणिक साझेदारी के लिए एकजुट हुए प्रदेश के विश्वविद्यालय

भास्कर न्यूज़ | महेंद्रगढ़

शिक्षा की गुणवत्ता, अनुसंधान की उपयोगिता और हरियाणा की सांस्कृतिक धरोहर के संरक्षण के लिए शनिवार को हरियाणा राज्य के विभिन्न विश्वविद्यालयों का एक समागम हरियाणा केंद्रीय विश्वविद्यालय में आयोजित किया गया। इस अवसर पर हरियाणा केंद्रीय विश्वविद्यालय के कुलपति प्रो. आरसी कुहाड़ ने इस समागम में सम्मिलित हुए करीब 18 विश्वविद्यालयों के कुलपतियों एवं उनके प्रतिनिधियों के समक्ष कहा कि 'अब समय आ गया है कि शिक्षा की गुणवत्ता के लिए मिलकर काम किया जाए।

कुलपति ने इस समागम को इस दिशा में बढ़ने वाला एक अहम कदम बताया और कहा कि जल्द ही आपसी शैक्षणिक साझेदारी के लिए विभिन्न विश्वविद्यालयों को एकजुट कर एक पोर्टल तैयार किया जाएगा। मानव संसाधन विकास मंत्रालय के पंडित मदन मोहन मालवीय नेशनल मिशन ऑन टीचर्स एंड टीचिंग योजना के अंतर्गत हरियाणा केंद्रीय विश्वविद्यालय के आंतरिक गुणवत्ता आस्वासन प्रकोष्ठ के द्वारा शैक्षणिक खंड 1 में आयोजित इस समागम में राज्य के शिक्षा मंत्री प्रो. राम बिलास शर्मा के प्रतिनिधि के तौर पर जिला उपायुक्त डॉ. गरिमा मित्तल उपस्थित



इस कार्यक्रम को आगे तक ले जाएंगे : प्रो. कुहाड़

समागम में प्रो. आरसी कुहाड़ ने कहा कि यह पहला ऐसा मौका है जब हरियाणा के किसी विश्वविद्यालय में इस तरह से विभिन्न विश्वविद्यालयों को एकजुट कर बेहतर शिक्षा, अनुसंधान व संस्कृति के संरक्षण को लेकर चर्चा हो रही है। उन्होंने कहा इस प्रयास को हम आगे ले जाएंगे और जल्द ही विभिन्न विश्वविद्यालयों का एक ऐसा पोर्टल तैयार होगा जहां वे एक-दूसरे से साझेदारी कर उच्च शिक्षा को बेहतर बनाने के लिए प्रयास कर पाएंगे। कार्यक्रम में विशिष्ट अतिथि प्रो. केपी सिंह ने कहा कि आपसी साझेदारी का यह कदम आने वाले समय में एक महत्वपूर्ण कदम साबित होगा। उन्होंने कहा कि इस प्रयास के माध्यम से जहां हमें सूचना तकनीक की मदद से विभिन्न विश्वविद्यालयों के विशेष शिक्षकों के शैक्षणिक अनुभवों का लाभ मिलेगा वहीं संसाधनों के मोर्चे पर भी आपसी आदान-प्रदान का मार्ग भी प्रशस्त होगा।

रहीं जबकि कार्यक्रम में विशिष्ट अतिथि के तौर पर हरियाणा कृषि विश्वविद्यालय, हिसार के कुलपति प्रो. केपी सिंह शामिल हुए। डॉ. गरिमा मित्तल ने कहा कि उनके लिए यह एक उम्दा अनुभव है कि विभिन्न प्रशासनिक

कार्यों से इतर राज्य के विभिन्न विश्वविद्यालयों के कुलपतियों व उनके प्रतिनिधियों के साथ संवाद का यह अवसर मिला। उन्होंने इसके लिए प्रो. आरसी कुहाड़ का धन्यवाद करते हुए कहा कि उनकी चाह है कि विश्वविद्यालय

ये विवि हुए शामिल; समागम में प्रो. पी. प्रकाश, कुलपति एसआरएम विवि सोनीपत, प्रो. एचएल वर्मा कुलपति जगन्नाथ विवि बहादुरगढ़, डॉ. अशोक दिवाकर कुलपति स्टार एसस विवि मानेसर, प्रो. विजय कुमार कायत, चौधरी देवीलाल विवि सिरसा, प्रो. वाइएसआर मुर्ति, कुलपति ओगप्रकाश जितल प्लोबल विवि सोनीपत के कुलपति सहित विभिन्न विवि के प्रतिनिधि शामिल हुए। इनमें डॉ. आर. नरसिंहमन, नार्थकैप विवि गुरुग्राम, प्रो. पी.सी. जुनेजा, बाबा मस्तनाथ विवि, रोहतक, प्रो. शिवकुमार शर्मा, नेशनल बेन रिसर्च सेंटर मानेसर, प्रो. एस.के. गवड़, महर्षि दयानंद विवि रोहतक, प्रो. आशुतोष उपाध्याय निप्टम कुंडली के नाम शामिल हैं। कार्यक्रम के दौरान विभिन्न विवि के कुलपतियों व प्रतिनिधियों ने कार्यक्रम को आगे बढ़ाने पर सहमति जताई। इस दौरान रजिस्ट्रार रामवत, अधिकारी प्रो. प्रजे वर्मा, छात्र कल्याण अधिकारी डॉ. बीर सिंह, स्वामी दयानंद सरस्वती पीठ के चेयर प्रोफेसर रणवीर सिंह, पोस्टर प्रो. मनीश कुमार, प्रो. नवल किशोर, डॉ. मारिका शर्मा व अन्य मौजूद रहे।

अपने इस प्रयास के माध्यम से शिक्षा के स्तर को बेहतर बनाने के साथ-साथ स्वच्छ भारत मिशन और बेंटी बचाओ बेंटी पढ़ाओ की दिशा में भी अपने संस्थानों से सकारात्मक प्रयासों को महत्व दे।

पहल

हरियाणा केंद्रीय विश्वविद्यालय महेन्द्रगढ़ में हुआ सभी विवि के कुलपतियों का समागम

शैक्षणिक साझेदारी के लिए एकजुट हुए हरियाणा के विश्वविद्यालय

जामरणा संताददाता, महेन्द्रगढ़ : शिक्षा की गुणवत्ता, अनुसंधान की उपयोगिता और हरियाणा की सांस्कृतिक धरोहर के संरक्षण के लिए शनिवार को राज्य के विभिन्न विश्वविद्यालयों का एक समागम हरियाणा केंद्रीय विश्वविद्यालय (हकेवि) में हुआ। हकेवि के कुलपति प्रो. आरसी कुहाड़ ने समागम में आए 18 विश्वविद्यालयों के कुलपतियों एवं उनके प्रतिनिधियों के समक्ष कहा कि अब समय आ गया है कि शिक्षा की गुणवत्ता के लिए मिलकर काम किया जाए। जल्द ही आपसी शैक्षणिक साझेदारी के लिए विभिन्न विश्वविद्यालयों को एकजुट कर एक पोर्टल तैयार किया जाएगा।

मानव संसाधन विकास मंत्रालय के पंडित मदन मोहन मालवीय नेशनल मिशन ऑन टीचर्स एंड टीचिंग योजना के अंतर्गत हरियाणा केंद्रीय विश्वविद्यालय के आंतरिक गुणवत्ता आश्वासन प्रकोष्ठ द्वारा आयोजित इस समागम में शिक्षा मंत्री प्रो. राम बिलास शर्मा के प्रतिनिधि के तौर



कार्यक्रम में मंचासीन उपायुक्त गरिमा मित्तल।

पर जिला उपायुक्त डॉ. गरिमा मित्तल उपस्थित रही। विशिष्ट अतिथि हरियाणा कृषि विश्वविद्यालय, हिसार के कुलपति प्रो. केपी सिंह थे। डॉ. गरिमा मित्तल ने कहा कि विश्वविद्यालय अपने इस प्रयास के माध्यम से शिक्षा के स्तर को बेहतर बनाने के साथ-साथ स्वच्छ भारत मिशन

और बेटी बचाओ बेटी पढ़ाओ की दिशा में भी अपने संस्थानों से सकारात्मक प्रयासों को महत्व दें। प्रो. आरसी कुहाड़ ने कहा कि पहली बार हरियाणा के विभिन्न विश्वविद्यालयों को एकजुट लेकर बेहतर शिक्षा, अनुसंधान व संस्कृति के संरक्षण को लेकर चर्चा हो रही है। इस प्रयास को

हम आगे ले जाएंगे और जल्द ही विभिन्न विश्वविद्यालयों का एक ऐसा पोर्टल तैयार होगा जहां वे एक-दूसरे से साझेदारी कर उच्च शिक्षा को बेहतर बनाने के लिए प्रयास करेंगे। विशिष्ट अतिथि प्रो. केपी सिंह ने कहा कि आपसी साझेदारी आने वाले समय में एक महत्वपूर्ण कदम साबित होगी।

इस प्रयास के माध्यम से जहां हमें सूचना तकनीक की मदद से विभिन्न विश्वविद्यालयों के विशेषज्ञ शिक्षकों के शैक्षणिक अनुभवों का लाभ मिलेगा, वहीं संसाधनों के मोर्चे पर भी आपसी आदान-प्रदान का मार्ग प्रशस्त होगा। समागम में एसआरएम विश्वविद्यालय सोनीपत के कुलपति प्रो. पी प्रकाश, प्रो. पंचपल वर्मा, कुलपति जगन्नाथ विश्वविद्यालय बहादुरगढ़, डॉ. अशोक दिवाकर, कुलपति स्टारएक्स विश्वविद्यालय मानेसर, प्रो. विजय कुमार कायत चौधरी देवीलाल विश्वविद्यालय सिरसा, प्रो. वाईएसआर मूर्ति, कुलपति ओपी जिंदल

विश्वविद्यालय सोनीपत सहित विभिन्न विश्वविद्यालयों के प्रतिनिधि शामिल हुए। इनमें डॉ. आर नरसिंहमन, नार्थकैप विश्वविद्यालय गुरुग्राम, प्रो. पीसी जुनेजा, बाबा मस्तनाथ विश्वविद्यालय, रोहतक, प्रो. शिवकुमार शर्मा, नेशनल ब्रेन रिसर्च सेंटर मानेसर, प्रो. एसके गम्बूड, मद्रि रोहतक, प्रो. आशुतोष उपाध्याय, निपटम कुंडली के नाम शामिल हैं।

कार्यक्रम के दौरान विभिन्न विश्वविद्यालयों के कुलपतियों व प्रतिनिधियों ने उनके पास उपलब्ध सुविधाओं व संसाधनों की जानकारी दी और सहयोग के आगे बढ़ने पर सहमति जताई। विश्वविद्यालय के रजिस्ट्रार रामदत्त ने धन्यवाद ज्ञापन किया। समागम में डीन अकादमिक प्रो. एजे वर्मा, छात्र कल्याण अधिष्ठाता डॉ. बीर सिंह, प्रो. रणवीर सिंह, प्रोक्टर प्रो. सतीश कुमार, प्रो. नवल किशोर, डॉ. सारिका शर्मा और विभिन्न विभागों के विभागाध्यक्ष शामिल हुए।









