

# **AYUSH AND HEALTH SCIENCES UNIVERSITY OF CHHATTISGARH RAIPUR**

**(Established by C.G. Act No. - 21/2008)**

## **OUR VISION – OUR DESTINATION**

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Almighty has blessed Chhattisgarh generously, which has 173,360 Sq. Kilometer of land of which 44% is covered with forest. It has an average of 1400 mm of rainfall and is rich in mineral resources like iron, dolomite, limestone, coal and corundum. It has 5 river basins with 41.72 billion cubic meters of water and 13.68 billion meters of underground water. All these tremendous parameters indicate very good potential for growth.

Literacy is 42.92% with 58% in males and only 52.4% in females. Rural female literacy is still lower (52%). Infant mortality rate is 57 and it is still higher in rural and hilly areas. 28.6% people are living below poverty line. Incidence of growth retardation in children is 57% and malnutrition of various degree is 50%. Anemia in children under 3 years is 81%. Life expectancy at birth is 64% years.

Many states of our country have improved health parameters remarkably. Problems of hemoglobinopathies of various types, infectious disease, and in newer industrial pockets H.I.V./AIDS are increasing along with many psychiatric problems because of sudden changes in life style are emerging.

Maternal mortality rate is 335.

Chhattisgarh Ayush and Health Sciences University has a big role to play in bringing out new generation of medical care professionals, which will be motivated to serve our people and fulfill their health needs in all aspects with help of science based technologies and inputs in every region of Chhattisgarh. This University will be a centre of learning and research with facilities to work on newer approaches to solve problems.

## PRESENT SCENARIO

### NUMBER OF COURSES :

Courses	2000 (Chhattisgarh State Established)			2010 (Present)		
	Govt.	Private	Total	Govt.	Private	Total
Medical	01	0	01	03	0	03
Dental	0	0	0	01	05	06
Nursing	0	0	0	04	27	31
Medical Biotechnology	0	0	0	01	0	01
Ayurvedic	01	0	01	01	02	03
Physiotherapy	0	0	0	01	08	09
Homeopathy	0	01	01	0	03	03
Unani	0	0	0	0	01	01
Siddha	0	0	0	0	0	0
Yoga and Naturopathy	0	0	0	0	01	01
<b>Total</b>	<b>02</b>	<b>01</b>	<b>03</b>	<b>10</b>	<b>47</b>	<b>57</b>

### Present Problems

1. Most of the institutions are facing big problems of shortage of good faculty members to the extent of 30-60%. With sudden increase in private institutions this problem is likely to aggravate further.
2. Institutional infrastructure is far from adequate. Hostels for students are in very poor conditions.
3. Capitation fee is usually beyond capacity of good meritorious student and this has already pushed them behind financially capable students. This is having huge impact on quality of medical education and assessment.
4. Deteriorating quality of evaluation due to pressures of management.
5. Apex controlling institution like MCI, DCI, INC, Ayurvedic & Homeopathic councils have control over infrastructure, equipments and staff. They have no control over starting new institutions and number of students. This is responsible for many problems at later stages and is resulting in sub optimal institutions and lower standard of education.

## OBJECTS OF UNIVERSITY:

1. To general knowledge in medical science on various aspects of health and disease to improve need based teaching.
  2. To develop separate Department for teachers training on newer methods skills of teaching.
  3. To stimulate for learning and increasing their inquisitiveness and to motivate them for research work.
  4. To develop root proof, transparent, unbiased and honest. evaluation system.
  5. Reorientation of all fields at regular interval to all doctors, paramedics, so that up date of knowledge is a regular process (every 3-5 years).
  6. To standardized curricula and syllabi of different courses.
  7. To decide criteria for selection of students affiliated to university.
  8. To regulate and organize examinations in affiliated colleges.
  9. Coordinate with State Government and other agencies in planning, monitoring and execution of health policies.
  10. To develop centers of excellence in fields of:
    - i. Molecular Biology and Biotechnology.
    - ii. Epidemiology and Biostatistics
    - iii. Psychiatry.
    - iv. Hospital Administration.
      - v. Staff College
      - vi. Research on medicinal plants and storage of their germplasm for future.
  11. To develop centers for carrier guidance and student welfare to provide guidance to students in selection of branches and development of communication skills.
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- Function**
- (1) In Government run institutions, University can make one department - as University department which will be offered high quality services, education and research. This will be funded by university, for improving standards.
  - (2) After recommendation of experts, professor may be designated as university professor.
  - (3) After development of University departments, post graduate courses and Ph.D. programmes will be started by the university. University Department will take need oriented research projects.
  - (4) Faculty members will coordinate with Government and others in planning health policies of state.
  - (5) It will explore areas of research and cooperation between different systems of Medicine.

## Development of Research Centers:

For playing effective role in propagation of medical knowledge, university will develop following centers.

1. **Genome Center for Basic Sciences and Molecular Genetics:** This center will be key center for studying various inborn errors of metabolism, genes involved in diseases including various types of cancers, aging and psychiatric diseases with their molecular basis. It will help in developing modalities for management in coordinate with other biomedical and bioengineering departments. Center will provide various advanced diagnostic test for metabolic and infections disease and will be involved in diagnosis of cases during epidemics help in controlling infections us diseases.

This center will offer M.Sc. & Ph.D. Course.

2. **Epidemiology Institute** : This center will have all data of vital statistics of state. It will have regular monitoring of growth, nutrition and anemia incidence. Center will store data related to diabetics, cancers and accident cases. It monitor all infections diseases like diarrhea, malaria, HIV etc. Epidemiology lab will be set up to facilities diagnostic of various diseases including vector borne disease. Field units of center will work in collaboration will medical colleges and health departments. Post Graduate courses will be started on this center at later stage.

The Institute will Offer M.Sc. Epidemiogy, M.Sc. Biostatistics, Ph.D. and Short Certificate for field workers for conducting Epidemiology work.

3. **Hospital Administration Department:-** This department will offer Bachelor's Degree in Hospital Administration which will cover training of students in the field of prevention of infection, drug purchase, management of water, electricity and sanitation of hospital and management of hospital working staff.

This course will relieve many Doctors from burden of administration and they will do their clinical work smoothly.

4. **Staff College:-** This college will primarily be responsible for training of teachers in various fields. Medical doctors, nurses in advances and improving technical and teaching skill. The university will give certificate to the participants.

5. **Center for Psychiatric Disease and Medical Humanistic:** It will be primarily responsible for studies of various behavior problems and its preventive intervention. Child guidance, adolescent depression, drug abuse, alcoholism and depression in a old age people will be slugged. Various modes of studies and management including indigenous drugs will be studies. Hospital center will offer M.D. D.P.M. for M.B.B.S. students and M.Sc. for nursing staff.

6. **Center for Study of Medical Plants:** University, with help of botanist, plant breeders, agriculture, geneticist and experts of ayurveda will identify various categories of medicinal plants of Chhattisgarh. In cooperation of pharmacology department active principal will be isolated and clinical trials will be planned. Genome and germplasm of these plants will be stored for future use. This process will require very advanced setup.

Infrastructure of this center can be used for stem cell research and for storing umbilical cord stem cells of new born for future use. Basic science genetic center and center for storing germplasm and genome will have many instruments in common like molecular imaging, flow cytometer, mass spectrometry, micro array facility and cell line banking facility. Every effort will be made to prevent unnecessary duplication of equipments and care will be taken that they are used to maximum capacity.

Affiliated colleges of university will be encouraged to use facilities and participate in research in these centers.

Success of these will depend on quality of faculty working in these centers. Attempts will be made to attract top quality research workers from India and abroad, they will be encouraged to join.

### **Library**

Heart of any University lies in the library. State of art library with computer terminates at office of faculty members will be made satellite linkage with national library will have all latest journals.

### **Gymnasium**

University will have a sport center (out door & Indoor) with world class facilities for training of students. This will help students maintain sound Physical and mental health. This will be located in campus.

### **To improve quality of Medical Education in all faculties following interventions are planned:-**

1. Selection of Students through common entrance test.
2. Compulsory attendance in theory and practical to be monitored by electronic systems.
3. Academic calendar fixed for whole year including examinations.
4. Up grading of syllabi and curriculum in all faculties.
5. Integrated teaching at under graduate level.
6. Quality of teacher to be improved by teachers training.
7. Follow norms of national councils for affiliation of institutions to University and frequent inspections to ensure norms.
8. Evaluation system, transparent and central.
9. Use telemedicine technology for dispersing knowledge and special lecture to all concerned institutions.

Affiliated Medical, Dental, Nursing, Physiotherapy, Ayurved, Siddha, Biotechnology, Homeopathy, Pharmacy and Paramedicals.

Exchange programmes between teachers and students in India, abroad.

Co-operation with ICMR, DST, UGC, WHO, UNICEF other Universities.

Cooperation and coordination with computer Operator Bio Engineering, NIT, Agriculture and School of Life Sciences.

Research Center  
- Basic Science Genetic.  
- Epidemiology.  
- Psychiatry.  
- Training/ Staff only  
- Medical Plant.  
- Storing Germplasm.  
- Biostatics Librarv. Genomics.

**Ayush and Health Sciences University of Chhattisgarh.**

Advanced Facilities for Training Students U.G. & P.G.

Quality Teachers Training  
- Frequent updates of teachers

Knowledge generation  
- Creating of Selection.  
- Transparency.  
- Honest & Unbiased Evaluation.  
- Frequent Accreditation.

Improved Quality of graduates and post graduates

Quality Medical care all levels.

Protection of germplasm of herbal drugs of Chhattisgarh

Improved Community Health

Health Target achievement of Chhattisgarh

Reduced IMR, Healthy working Class Reduced psychiatric problems