



RKDF UNIVERSITY

Gandhi Nagar, Bhopal

*University
Vision
2030*

*Education
Glorify
the Nation*



Preface

RKDF University Gandhi Nagar Bhopal, Vision 2022 was made in the year 2012. Now the vision 2030 has been prepared, which includes the implementation of vision 2022, as visualized in year 2012. The Vision 2030 includes, vision of University focusing on stakeholders, Research Innovations, concentrating on climate changes related researches, developing green campus, Skill Development, overall development of faculty & personality development of students. The core values of University for delivering its mission and pushing its vision for Holistic development of University to achieve the target of developing quality of students shall remain as per vision 2022. The copy of vision 2022 is also enclosed for reference as in available in our website

Mission

Harmonize higher education with excellence in science and technology, output and contributing to livelihood security and sustainable societal development and to be recognized as a premium National University providing dedicated services for the social and economic growth development of the nation.

The University offer a congenial Academic & Research environment to enable its students, Research scholars, faculty & staff to achieve professional Excellence and personality development to promise an Exceptional future for all its stakeholder

Vision

To establish an University of excellence and relevance to impart Higher Education through knowledge, pioneering Scholarship, Research and teaching and to improve the lives of many students through growth, prosperity and sustainable physical environment through education in the country

Core Values of University

The University is guided by core values in delivering its mission & pursuing its vision



RKDF University – An overview

RKDF University Gandhi Nagar, Bhopal was established by Ayushmati Education and Social Society, by an act of Govt. of M.P and published in State Gazette on 19th July 2011. The University is spread over 107 acres of land near the Bhopal Airport having build-up area of 13.184 Lakh Sq.ft. and well maintained 6.31 Lakh Sq.ft. Garden in campus. The University has been approved by UGC under section 2(f) 1956 after the visit of expert committee members constituted by University Grant Commission, New Delhi.

After the approval of Statutes & Ordinances of the University by the Department of Higher Education Govt. of M.P. on 4th May 2012, the Academic Session started from the year 2012-13. All the courses run by the University have approval of concern Regulatory bodies & State Govt. also. From Academic year 2013-14, the University has introduced compulsory courses of 4 Credit on “Value Spirituality and Consciousness Development” in collaboration with Brahma Kumaris Education wing, Mount Abu, Rajasthan compulsory to all the students of undergraduate programmes which they have to pass to get a degree. The University aims to produce Youth having ethical values for the Nation.

The Strategies for imparting education to students of University is Skill based on Technology driven Education, Skill Building approach, Industry link curriculum, National outlook and more emphasis on (hands on training) practical & research orientation which have resulted in to many international awards through global competitions. The University has established, first Carbon Capture plant (CCP) in Asia and developed modified Bukhari for army for which we have been recognized at international forums.

After valuation of students achievements at International level and achievement in the Academic and Research of the University. Hon’ble Chancellor of the University Dr. Sadhna Kapoor was awarded Honorary Professor of Oxford Academic Union, U.K. in 2017 at Switzerland and “Grand Star of Success Award” in December 2022 at Oxford University U. K. again by Oxford Academic Union U. K.

Extra curriculum activities for the students, include motivational lectures of renowned personalities of India in the campus University regularly. In Annual Sports, eminent players of Indian team i.e. Hockey, Cricket & Badminton etc are invited as Chief Guest. For women empowerment seminar, Ms. Madhuri Dixit was present as chief guest. In cultural functions famous signers of India are also invited regularly.

The University has implemented National Education Policy (NEP-2020) for undergraduate curriculum framework from the Academic session 2022-23, with the objective to capture the imagination of the youth of our National and contemporary realities of demographic advantage globally. The University has also included more than 250 value added courses for our students to help them in their employment which is made available free of cost. The vision of the University is to “Produce Job Creators and Not Job Seekers”

3. Strategies of University for imparting Education to students

- **Advance Technology Driven Education**

To provide student centric education through extensive & innovative use of latest technology

- **Skill Building Approach in Imparting Education to Students**

To nature talent, stimulate thinking, impart skill and create, competent & inspired professional for the industry

- **Industry Linkage Curriculum and more emphases on hands on Training of students**

To forge impactful collaboration with leading academic and corporate bodies across the world

- **National Outlook**

To play the role of a national University – providing dedicated service towards the social and economic development of the Nation

- **Research Orientation and Students Participation**

To foster a research oriented culture in the University for the students & faculty

4. RKDF University Bhopal Vision 2022 and implementation status as on 2023

After the establishment of University by an act of Govt. of M.P. State and after the approval of statute & ordinances, more faculty/ new department were established after the development of Infrastructure, Lab, Equipment's, appointment of faculties as per norms and also approval of concern regulatory bodies and state Govt., The year wise, course wise and the approval of concern Regulatory bodies Faculty/ Department were established. Before the establishment of University the campus were imparting Education in Engineering (B. E. and M. Tech), Pharmacy (D. Pharma, B. Pharma, M. Pharma) and the affiliating University was Rajiv Gandhi Technical University Bhopal & courses in Education (B. Ed. & M. Ed. were affiliated with Barkatullah University, Bhopal

The year wise, course wise and the approval of concern Regulatory bodies Faculty are as under:

4.1 Academic & Infrastructure

S. No.	Vision upto 2022	Year	Approval from concern Regulatory bodies	Courses
1	Faculty of Engineering	2013	AICTE Govt. of India New Delhi	<ul style="list-style-type: none"> B. E. (Civil Engineering, Computer Science and Engineering, Electrical Engineering, Electrical and Electronics Engineering, Electronics & Communication Engineering, Information Technology, Mechanical Engineering) M. Tech (Digital Communication, Computer Science & Engineering, Power Electronics, Very Large Scale Integration, Power System, Thermal Engineering) Diploma (Civil Engineering, Electrical Engineering, Electronics & Telecommunication Engineering, Mechanical Engineering)
2	Faculty of Pharmacy	2013	PCI Govt. of India New Delhi	<ul style="list-style-type: none"> D. Pharma B. Pharma M. Pharma (Regulatory Affairs, Pharmaceutics, Pharmacology, Pharmacognosy)
3	Faculty of Education	2013	NCTE, Govt. of India New Delhi	<ul style="list-style-type: none"> B. Ed. M. Ed.
4	Faculty of Commerce	2013	State Govt. of M.P.	<ul style="list-style-type: none"> B. Com M. Com
5	Faculty of Science	2013	State Govt. of M.P.	<ul style="list-style-type: none"> B. Sc. M. Sc.
6	Faculty of Arts & Humanities	2013	State Govt. of M.P.	<ul style="list-style-type: none"> B. A. M. A. M. S. W.
		2016	State Govt. of M.P.	<ul style="list-style-type: none"> B.S.W.
7	Faculty of Computer Application	2013	State Govt. of M.P.	<ul style="list-style-type: none"> BCA MCA
8	Faculty of Agriculture	2014	State Govt. of M.P.	<ul style="list-style-type: none"> B. Sc. (Ag) Hons B. Tech Agriculture Engineering
		2018	State Govt. of M.P.	<ul style="list-style-type: none"> M.Sc. (Agriculture)
9	Faculty of Architecture	2014	COA New Delhi	<ul style="list-style-type: none"> B. Arch
		2019	COA, New Delhi	<ul style="list-style-type: none"> M. Arch
10	Faculty of Law	2014	BCI, New Delhi	<ul style="list-style-type: none"> LLB BALLB
		2018	BCI, New Delhi	<ul style="list-style-type: none"> LLM

11	Faculty of Paramedical Science	2015	M.P. State Paramedical Council Bhopal	<ul style="list-style-type: none"> Paramedical Courses
		2021	M.P. State Paramedical Council Bhopal	<ul style="list-style-type: none"> Diploma In Pharmacy Homoeopathy
12	Ram Krishna College of Homoeopathy & Medical Sciences	2016	NCH, Govt. of India, New Delhi	<ul style="list-style-type: none"> BHMS
13	Faculty of Nursing	2016	INC, Govt. of India New Delhi	<ul style="list-style-type: none"> B.Sc. Nursing GNM
		2017	INC, Govt. of India New Delhi	<ul style="list-style-type: none"> P. B. B. Sc. Nursing
14	Faculty of Library and Information Science	2018	State Govt. of M.P.	<ul style="list-style-type: none"> B. Lib M. Lib
15	Ram Krishna College of Ayurveda & Medical Sciences	2021	Ayush Ministry Govt. of India	<ul style="list-style-type: none"> BAMS
16	Faculty of Skill Development	2023	Sate Govt. of M.P.	<ul style="list-style-type: none"> BBA (Logistic) BMS (Agri Storage & Supply Chain)

Before establishing above faculties and as per norms of concern Regulatory bodies/ State Govt. the Lab, Class Rooms, Furniture, Library etc was established for different faculties following infrastructure build, which details are as under:

S. No.	Name of Faculty/ Hostel/ Other Infrastructure	Year of establishment	Area build Sq.ft.
1	ADMIN BLOCK	2012	62125.83
2	Faculty of Architecture	2013	57567
3	STAFF QUARTERS	2013	23994.6
4	SCIENCE	2013	52880.01
5	AGRICULTURE	2014	33678.51
6	GIRLS HOSTEL	2014	40719.54
7	University college of Nursing	2015	40674.06
8	RKCHMS	2015	53862.57
9	Canteen	2015	11291.85
10	POWER HOUSE	2015	1030.74
11	INTERNATIONAL HOSTEL	2017	46073.88
12	hospital	2018	66621.84
13	RKCAMS	2020	83308.5
14	RKCAMS-2	2020	42986.46
15	Pharmacy Institute	2020	31027.47
16	DOP-2	2020	28966.5
17	IPE NEW	2021	47313.64
	Total		724123

4.2 Research Innovation & Consultancy of University

In the Vision 2022, under the future plans for Research innovation & Consultancy of University following future plans were mentioned:

University shall focused its Research activities on innovative, cost effective & environmental related projects. The University have its research policy, which shall be implemented. The focus of University shall to faculty members for research for which seed money shall be provided by the University. Faculty members should encourage the students for participation in research & innovation activity. The University aim to create high quality and flexible collaborative research opportunity and culture that enable and promote knowledge creation to all the stakeholders

The University shall make activity room for students, where the students can create its idea in research and innovation where experience faculty will be available for guidance. This is mission of University to encourage involvement of students in research.

The University shall aim for functional MOU with Universities of Indian & Foreign, Industries, Research Institutes for students & faculty. The MOU should be focused on academics, research and industrial. The University will create the mechanisms to stimulate meaningful bottom up & top down collaboration among faculty, staff & students with diverse disciplinary backgrounds

4.2.1 Status on Research Innovation & Consultancy of University as on 2022

Research Project Sanctioned & Implemented

The details are as under:-

S. No.	Name of Project	Financial Agency and sanctioned details	Amount Sanctioned (INR in Lakh) Total	Year of Completion
1.	High Energy Density Thermal Energy Storage for concentrated Solar Plant	MNRE PI: Dr. V. K. Sethi Year of Award: 2015-16	41	2016-17
2.	Post Combustion Carbon Capture & sequestration (CCS) Plant on a Coal Fired Thermal Power Plant – Feasibility Study	CPRI, Ministry of Power, Gol PI: Dr. V. K. Sethi Year of Award: 2018-19	53.5	2021-22
3.	System Design, Erection, Testing & Commissioning of 40 kWth and 10 kWe pilot plant aiming at the Feasibility Study of MWe Scale Concentrated Solar Thermal Plant integrated with 24 x 7 Thermal Energy Storage.	MNRE, Gol PI: Dr. V. K. Sethi Year of Award: 2019-20	81	2022-23
			1,75,50,000/- (One Crore Seventy Five Lakh Fifty Thousand Only)	

Equity/ Seed Money provided by the University for implementation of Research projects

The details are as under:-

S. No.	Name of the Project	Amount (RS. Lakh)	Year
1.	Development of Nano Salt Based Solar Chulha for Cooking in off- Sunshine Hours.	3.75	2017-18
2.	Design & Development of 10kW Electric Vehicle (EV) Charging Station	5	2017-18
3.	Mushroom Cultivation Technology for training to students and Agricultural Farmers of adopted villages	2.09	2017-18
4.	Thermal Energy Optimization of Solar Assisted Post Combustion Carbon Capture (SPCC) Power Plant Using Evolutionary Algorithm	8.5	2018-19
5.	Biofuel Production Through Algae Route Using Carbon Capture Pilot Plant	5	2018-19
6.	System Design, Erection, Testing & Commissioning of 40 kWth and 10 kWe pilot plant aiming at the Feasibility Study of MWe Scale Concentrated Solar Thermal Plant integrated with 24 x 7 Thermal Energy Storage	22.5	2019-20
7.	Post Combustion Carbon Capture & Sequestration (CCS) plant on a coal fired Thermal power Plant- feasibility study	16.02	2019-20
8.	Training and Learning of Students and Training of Farmers by Faculty of Agriculture	77.25	2019-20
9.	Training and Learning of Students and Training Women of adopted village in Food Processing	1.3	2021-22
10.	Vermicompost Technology for students and farmers of adopted villages	1.227	2021-22
11.	Protected Cultivation Technology (Polyhouse) for students of Faculty of Agriculture and training to farmers of adopted villages	4.4	2021-22
	Total	1,52,23,700/- (One Crore Fifty Two Lakh Twenty Three Thousand Seven Hundred Only)	

· Consultancy done by the University upto 20222

S. No.	Name of the consultant/faculty	Name of consultancy project	Consulting/Sponsoring agency with contact details	Year	Revenue generated (INR in Lakhs)
1.	DR. V. K. Sethi,, Faculty of Engineering & Technology	MP Power Generation Company Govt. of M.P.	Sri Singaji Thermal Power Station (SSTPP)	2018-19	3,50,000/- (For Coal Optimization & Reducing Coal Consumption In The Power Plant Boiler)
2.	DR. V. K. Sethi, Faculty of Engineering & Technology	Anpara Thermal Power Project , Singrauli Region	UP Rajya Vidyut Utpadan Nigam LTD. Lucknow EPC By Toshiba	2017-18	NIL -For R&M Of Anpara Thermal Power Plant
3.	DR. V. K. Sethi, Faculty of Engineering & Technology	Anpara Thermal Power Project , Singrauli Region	UP Rajya Vidyut Utpadan Nigam LTD. Lucknow	2018-19	NIL-(To act towards reduction of high ppm level in Singrauli Area - feasibility of Carbon Capture Plant)
4.	Faculty of Science,	Blood Bank Technician	Apollo Medskills Ltd.	2018-19	19,09,000/-
5.	RKDF University, Bhopal	Dialysis Technician			
6.		Emergency Medical Technician			
7.	Faculty of Agriculture, RKDF University, Bhopal	Farmers farm visit and soil testing	Farmers of Bhopal	2020-21	77,390/-
			Farmers of Bhopal	2021-22	1,15,085/-
			Farmers of Bhopal	2022-23	5,00,900/-
	Total				30,72,375/- (Thirty Lakh Seventy Two Thousand Three Hundred Seventy Five Only)

· **Status on Ethical Integrity & Social Responsibility of University as on 2022**

The University have Credit Compulsory course on “Value Spirituality and Consciousness Development” toll undergraduate students with collaboration of “Prajapati Bhramkumari”. The Expert Lecture & faculty Development programme were organized.

Under social Responsibility of University, the University has adopted 5 villages Badbai, Gondhermhow, Jatkhedi, Mugaliya Haat and Piplaner of Bhopal to improve their Socio-Economic condition. The faculty of Homoeopathy, Nursing, Pharmacy and Parmamedical organize medical camps regularly in for diagnosis of diseases, Medical test, Treatment. All the activity is free of cost. The kids are also provided vaccines and fruties during the visit

During Corona: For Traffic police provided Ayurvedic Kadha, Developed a robot for testing corona virus, organized vaccination camps, distrusted food packets Faculty of law organizes free legal camps in adopted villages, Central jail Bhopal in order to resolve their problems. The faculty of Agriculture organized Chaupal where they interact with farmers. Faculty of Agriculture also organizes “Krishi Charcha Chaupal” in adopted villages of University

In Last 5 years No. of camps organized in adopted villages are as under:

Particular	No. of camps organized in adopted villages
Medical Camps	83
Legal camps	09
Krishi Charcha Chaupal	104

Vision of University upto 2030

After the reviewing the achievements of vision 2022 by the University. The vision 2030 shall be as under:

(A) Academic & infrastructure Development

In the vision 2012-22, University upto 2022, as per vision plan have developed infrastructure, appointment of faculty, establishment of lab, equipment, furniture, library and permission from concern regulatory authorities and after this as planned 13 new faculties / Institutes were established in University. One Girls hostel, one International Hostel for foreign students, canteen and power house was also established

The Vision for 2030, in respect of academic & Infrastructure Development is as under:

I. Academic & Infrastructure

Following new faculty and more courses/ Programme in Existing faculties more courses shall be added after the approval of concern Regulatory bodies which details are as under:

- (A) New Faculty proposed for vision 2020
- Medical MBBS
 - Medical Bachelor of Dental Science
 - Skill & Enterprise Development.
- (B) More courses in Existing Faculty
- Master course in Homoeopathy faculty
 - Master Course in Ayurvedic Faculty
 - Ph.D. in Architecture & Agriculture
 - Industry related course in Engineering & Pharmacy
 - M. Sc. In Journalism and Mass Communication
 - M. Tech in Civil Engineering Specialisation in G. P. S.
 - MBA in Tourism & HRD
 - M.A. in Ancient Indian History culture and Archology and M. A. in Forestry in Art & Humanities faculty
 - M. Sc. In Horticulture in Science Faculty
 - M. S. in Biotechnology

Infrastructure Development

- (A) Required infrastructure for above faculty/ Institute as per norms of concern Regulatory bodies
- (B) Construction of Auditorium with capacity of 1000 person
- (C) Open Air Theatre for 5000 capacity
- (D) Atal Incubation Centre
- (E) Two More Hostel to accommodate 1000 Boys & Girls respectively
- (F) International Hostel with 50 Rooms
- (G) Convention centre with modern gadgets
- (H) Guest House with 50 Rooms for Visiting Faculty as expert, and for parents of students.
- (I) Making campus a solar campus to ensure production of green energy
- (J) Transit Hostel with 20 capacity for accommodating newly recruited faculty
- (K) Making it a 100 percent water harvested campus to ensure that the water that University uses it replenished.
- (L) Further greening the campus and plantation of extinct trees of M.P. State in campus
- (M) Development of other Infrastructure as per need from time to time
- (N) Eco Park in the campus
- (O) Establishment of Hi-Tech Biotechnology Lab
- (P) Establishment of Proc

Academic Related Vision 2030

- Moving towards paperless office work
- Developing online platform for teachers to report their effort done in teaching, Research & Extracurricular activities for University, so that after valuation of teachers work by University officials guidance may be given to improve its working capacity
- Effort for making of the process of the University E-Governance for all the stake holders of University
- Motivating Teachers for creating lectures of courses for SAWAYAM.

- Integration of Massive online open Courses (MOOCS) through Studio (AVRC)
- Research Fellowships/ Scholarships for students
- More innovation in Exam CBCS & Credit Transfer will be introduced.
- More focuses on developing quality educational videos through only AVRC.
- Earn while you learn programme for students through Agriculture (Nursery)

Vacancies

The Existing Faculty strength will be increased as per AICTE/ UGC norms as needed for the new Programmes

Mase Chairs

Presently two Chairs mainly Norman E. Borlaug and Sir J. C Bose have been established by the University. It is proposed to add three more chairs one in Pharmacy, one in Humanities & one in Management, which are Academic Department of the University

Vision 2030 for Research & Consultancy Service of University

The RKDF University Bhopal has revised its research and consultancy policy in the year 2021 considering the upcoming challenges in the Industry and with the aim of to make students by providing latest knowledge & capacity building related activity as per need of Industry. The vision 2030 research policy shall be focussed on

- Assistance to Industry ready projects
- Development of academia-industry collaboration
- Collaboration with reputed foreign Universities and research labs in key areas of research where the University has potential
- Setting-up of chairs of excellence at various departments
- Creation of a social innovation lab that shall offer innovative and sustainable solutions to various problems of the society
- Publications of quality journals by select departments with better research footprints
- To achieve its goal more effective MOU's will be signed with private and Govt. organizations.

Collaboration for Research

- (A) Collaboration with the Industry at National Level;
- (B) Collaboration with research labs at National & International level
- (C) Joint project with industries.
- (D) Focused area of University for Joint Research Project as per available potential of University are as under:
 - Solar Bio-char system (for production of bio-char for sustainable farming and CO₂ reduction)
 - Thermoelectric Devices : water Coolers, Refrigerators, power generation from hot source
 - Bio-Diesel production using solar energy, algae, jatropha
 - Eco-friendly building materials, packaging materials, house -hold products from agricultural waste and recycling waste streams: for example, sugar can wastes, straw, plastic.
 - Student based start-up companies for software products, Apps, Bio- Medical devices
 - Technology assimilation and collaborative research in development of Novel Absorbents' adsorbents for carbon capture & sequestration with Thermal Storage system (Metal halides etc) of Solar Thermal integrated with CCS
 - Production of Modified Bukhari for Army personals
 - Production of Modified Vermicompost
 - Establishment of Horticulture Processing plant at University Agriculture farm at Nonikhedi Sehore
 - Establishing Hitech Bio-Technology Lab in University

Seed Money for Research Project

University as per Research policy shall continue to provide seed money for research project submitted by the faculty after its recommendation of committee constituted by the University. The University shall also provide, share amount for Research projects sanctioned by financing agency (Govt. or Non-Govt.)

Ethical Integrity and Social Responsibility of University

- The University has already introduced 4 Credit compulsory course on "Value Spirituality and Consciousness Development" for all the undergraduate courses of University. Before obtaining the graduate degree to students he/she must pass above compulsory course. Expert lecture of Ethical Value & Spirituality shall be arranged for Faculty & students regularly in each year.
- The University has already adopted 5 Villages Badbai, Gondhermhow, Jatkhedi, Mugaliya Haat and Piplaner of Bhopal Dist., where Medical, Legal and Krishi Chaupal Charcha is organized regularly. To improve Socio-Economical Condition of Villagers in adopted villages, besides organizing camps following more activity shall be included.
 - (a) Visits of villagers in University campus for provide more Medical facility in our Homoeopathy, Ayurvedic & Paramedical Department (Blood Test & other related Test) and University Hospital
 - (b) Visits & Training of farmers at Agriculture farms of faculty of Agriculture
 - (c) Making Self Help Group of Womens of adopted villages of Bhopal and to provide training in Mushroom Production and in Food Technology Department of Faculty of Agriculture for making cookies, biscuits for millets & making arrangements for their sale.