

UNIVERSITY

GWALIOR - MP - INDIA

"CELEBRATING DREAMS"

SCHOOL OF AGRICULTURE
ITM UNIVERSITY GWALIOR

Self Study Report (SSR)
for
ICAR Accreditation
Programme: B.Sc. (Hons) Agriculture

6.4 Self Study Report for the Programme B.Sc. (Hons) Agriculture

ITM University Gwalior is a multidisciplinary University with an international reputation for the quality of its research and teaching across the academic spectrum. It seeks to sustain and enhance its excellence as an institution of higher education by imparting knowledge based learning and ethical values to the society.

ITM University Gwalior was established in May 2011 by the Act of state Legislature, M.P. as notified in the official Gazette (extra – ordinary) of the State Government, recognized by UGC and is a member of AIU. It is also recognized by concerned Statutory Bodies of Government of India like AICTE, INC, COA and NCTE etc. ITM University has been bestowed upon with more than 42 awards by different government & non-government agencies. The University was ranked 32nd in Management and 58th in Engineering in India Rankings 2016 by NIRF. ITM University also accredited by NAAC in 2018.

The University campus spreads over 125 acres with world class sports and cultural facilities in around 20 acres of land. It has four auditoriums of 250, 200, 200 and 500 seating capacity wherein various seminars, conferences, cultural activities and expert lectures are organized. The entire University landscape comprises of a knowledge hub situated in the vicinity of green meadows and exquisite sculptural pieces installed here and there.

Vision

To emerge as a global hub of knowledge creation, cutting -edge research and development and the centre for development of skills to create entrepreneurs capable of contributing to different fields.

To emerge as a preferred choice for students at global level to pursue their passion would help develop them as leaders in their respective fields.

Mission

Our mission is to advance, network and disseminate knowledge in a way that helps in creating contributing citizens to global society. We aim at delivering knowledge that blends academic rigour, curiosity and intellectual stimulation. Education at ITM University Gwalior should help students becoming capable of judicious introspection and objective reflection. Our students are expected to be capable of raising pertinent questions, challenging status-quo, change-catalyst, and serve as team players, have quest of life-long learning, aim realizing their full potential and have intent of serving society.

About ITM University Gwalior

The University is dedicated to disseminate knowledge in a way that helps in creating contributing citizens to global society. We aim at delivering knowledge and learning that blends academic rigour, curiosity and intellectual stimulation. Education at ITM University Gwalior should help students becoming capable of judicious introspection and

objective reflection. Our students are expected to be capable of raising pertinent questions, challenging status – quo, change-catalyst, and serve as team players, have quest for life-long learning, aim realizing their full potential and have intent of serving society.

The aim of IITM University is to serve the society at large, with commitment, dedication and devotion along with providing quality education enriched with moral ethics to all its students, especially to those belonging to linguistic minority, in particular. The University follows certain principles upon which governing body operates and fulfils the responsibilities towards the institution. It has a duly constituted- Academic Council, Board of Management, Finance Committee, and Governing body, to achieve optimal governance.

The University also renders recreational facilities to both students and faculty members, like gymnasium which is equipped with latest machines, and halls for conducting yoga and meditation sessions. These are indeed a part and parcel of the co-curricular activities that take place in the University. In addition, the University also has a Sports block for promoting indoor games like table tennis, badminton, Squash and separate grounds for promoting outdoor sports like lawn tennis, cricket, volleyball, basketball, floor ball, etc.

IITM University has an effective system for student support and progression. Effective mentoring facilitates students in various aspects. The University arranges personal enhancement and development schemes such as career counselling, soft skill development and orientation for well being of the students. The University provides assistance to students for obtaining educational loans from banks and also provides government and institutional scholarships for the students. IITM University has an International Student Cell to attract foreign students and cater their needs. Dean, Students Welfare ensures active participation of students in cultural and sports at different levels. The University has an institutionalized mechanism for students' placement. The students are groomed by the training and placement cell by organizing different trainings for them. To develop entrepreneurship skills and guide the students, a separate cell has been established, which is known as Idea pad.

The University provides the seed money to the students with best ideas. The University also has a student grievance redressal cell, student council and well established women empowerment cell.

The students are apprised about the issues including the rules and regulations of the University, teaching methodologies, students information system, learning management system, discipline, anti- ragging, student welfare activities, administration and sports facilities, entrepreneurship development cell, women empowerment cell, examination system, grading system, campus placement criterion, club activities, life on campus, etc.

A comprehensive Academic Calendar is prepared by the Dean Academics in consultation with the Deans of all schools of the University, indicating total teaching days and holidays for the semester, commencement of classes, schedule for midterm exams, University end semester practical and theory exams and vacation period.

The University pedagogy has been made more effective using a blend of activities such as discussions, case studies, quiz, presentations, classroom activities, etc. Also Projects on latest technologies and laboratory- based experiments provide practical insight into the subject.

The University follows a transparent examination system, the examination results are based on SGPA/CGPA and choice based credit system. The examination-related grievances of the students are resolved well in time.

ITM University has put a lot of efforts in promoting and providing in nurturing research environment for students and faculties. A large number of research publications in indexed national, international journals and conferences have been contributed by our faculty and Ph.D. scholars. Students and faculty are generously encouraged to pursue research and innovation at the Innovation and Incubation Centre.

The University provides research equipment and material required for student research projects. Special budgetary provisions are made for the same based on the need and the requisition. R & D budget is made available to student's research project each year based on innovativeness of the projects. The University authority always welcomes its faculty members & students to file patents in India and abroad. R&D cell creates the awareness and sensitizes researchers on the importance of IPR. Special lectures and workshops have been organized on IPR.

The various departments of the University conduct workshops/training program/short term courses/guest lecturers/ sensitization programmes on a regular basis in order to promote research culture within the University.

ITM University has always been in the forefront of rendering Institutional Social Responsibility for the welfare of society, such as environment consciousness, plantation, health clubs, blood camps, girl child education and with other awareness programs.

ITM University has been established with the vision to emerge as a global hub of knowledge creation and cutting edge research with development of leader of various fields. With this vision University has developed various Schools where value added courses have been offered. University is among few in the country to implement project based learning system. ITM University has shown keen interest in collaborations with Industries and other world class Universities.

The ITM University has now enrolled more than 300 students from 21 countries. We organize National Days of different countries with cultural programs.

University provides ample opportunity to students develop their career plans and goals like Idea Pad and PC Ray centre of research.

ITM University believes in giving back to the society and getting involved with social upliftment. Students involved in various social awareness programs and environmental friendly practices. To emerge the students in continuous dialogue with academicians, industry leader and policy Makers, the University organizes various conferences, seminars, faculty development program, panel discussions and workshops.

Along with the regular high quality academic activities the University also organize Art symposiums, Music concerts by and sports events. To create students with necessary skills University introduces model of involving students in execution of training & placement programs. The University also offers unparalleled exposure to people, topics and platforms throughout the year from business, government, society and academia.

About School of Agriculture

School of Agriculture (SoAg) is started during the year 2013 with offering B.Sc. (Ag)/ B.Sc. (Hons) Agriculture, four year programme, M.Sc. (Ag) Agronomy and M.Sc. (Ag) Horticulture, two year programme and MBA. (Agribusiness), two years programme in collaboration of School of Management and Three years Ph.D. Programme.

Presently, the School of Agriculture is running in VSB (Vikram Sarabhai Block), Sithouli Campus of ITM University Gwalior. The SOAG is having a very good infrastructure facility with well equipped laboratories and 100 Acres of instructional farm. Course Curriculum and syllabus are completely based on Fifth Deans Committee report of Indian Council of Agricultural Research (ICAR) in which new initiatives have been strongly advocated.

In compliance to Rural and Entrepreneurship Awareness Development Programme launched by the Hon'ble Prime Minister of India on 25th July 2015. The following components are proposed for conducting one year programme in all the under graduate disciplines.

Experiential Learning (EL)

Rural Agricultural Work Experience (RAWE)

In plant training/Industrial attachment

Hands on training (HOT)/ Skill development training

As per V Deans Committee, courses are developed on basic principles and skills in a systematic manner on 04 "T" Manners.

I year- Basic and Fundamental Courses (Traditional)

II year - Principles (Technology)

III year- Production System (for improving Talent)

IV year – Skill and entrepreneurship development (Training)

Above courses are introduced for a comprehensive, vibrant and quality agriculture education system in congruence with a dynamic research and technology development is fundamental to the national progress and prosperity. The objective of V Deans Committee Report is creating trained human resource, generate and transfer new knowledge technology and products in transferring the country opening windows from food deficit to food surplus nation.

Teaching and learning process of SOAG involves a very rigorous academic and skill oriented knowledge transfer by experienced faculty members along with latest agricultural know-how through planned courses to the different Agro ecological situations and regional variations. School of Agriculture is also having MoU with Dr. M.S. Swaminathan Research Foundation for Research and Transfer of Technology, Chennai, Indian Institute of Sugarcane Research (IISR), Lucknow, Central Potato research Institute (CPRI) Regional Centre, Gwalior and Tropilite Foods Pvt. Ltd, Gwalior.

6.4.1. Brief History of the Degree Programme:

Sr. No.	Degree Programme	Year of Initiation
1.	B.Sc. Ag (Hons)/ B.Sc. (Hons) Agriculture	2013

OBJECTIVES

1. To introduce recent courses based on the recommendations of Fifth Dean's Committee Report of ICAR
2. To introduce "Earning while Learning system" for graduate and post graduate students through which they can earn money during their study.
3. Incorporation of "Students READY" Programme at Graduation level as per the recommendations of Fifth Dean's Committee Report.
4. To develop new technologies suitable to gird region of Gwalior and transfer them at door steps of farmers.
5. To develop need based and appropriate new Agriculture technologies which can serve the purpose of small and marginal farmers (reaching to unreach) for their better livelihood

ACCOMPLISHMENTS

a. No. of students passed out:

S. No.	Degree Programme	Number of students
1.	B.Sc. Ag (Hons)	416

b. Alumni achievements:

Alumni of School of Agriculture holding top national and international positions

Positions	Number
AO (BOB)	02
AO (Agril Deptt., MP)	15
Agriculture Supervisor	35
Farming (Hi-tech)	23
FO (IFFCO)	03
NGO's	10

6.4.2. Faculty Strength: The faculty strength for the Degree Programme cadre-wise, both sanctioned and in-place is given below.

Sr. No.	Sanctioned Faculty	Faculty in place	Vacant position	Faculty recommended by the ICAR/UGC/VCI/ other regulatory bodies
1.	Professor	22	00	06
2.	Associate Professor	10	03	13
3.	Assistant Professor	90	00	77
	Total	122	03	96

The list of faculty cadre wise with name, specialization, date of appointment in the college, period of contract, salary account summary for last three years with the reference to Form 16 (income tax) is given below.

S.N o	Departments	S.N o	Title	Name of Faculty	Cadre	Appointment Date
1	Agronomy + (Agro forestry)	1	Dr.	Roore Alam	Professor	Visiting
		2	Mr.	Gyanendra Shende	Assistant Professor	16.12.2016
		3	Ms.	Bharna Jamar	Assistant Professor	11.08.2017
		4	Ms.	Pratibha Sharma	Assistant Professor	08.02.2016
		5	Dr.	Grieh Goyal	Assistant Professor	17.01.2019
		6	Mr.	Dharmendra Gour	Assistant Professor	09.08.2017
		7	Mr.	Hemraj Kira	Assistant Professor	17.07.2018
		8	Mr.	Satish Kumar	Assistant Professor	15.07.2019
		9	Dr.	Ravindra Nath	Assistant Professor	04.07.2019
		10	Dr.	Vinay Kumar Pandey	Assistant Professor	15.07.2019
		11	Dr.	S.S. Tomar	Professor	17.09.2018
		12	Dr.	R.K. Tiwari	Professor	Visiting
		13	Dr.	Mahendra Singh Pal	Professor	Visiting
		14	Dr.	S.P. Singh	Professor	Visiting
		15	Dr.	A.R. Sharma	Professor	Visiting
		16	Dr.	D.S. Rana	Professor	Visiting
		17	Mr.	Rajkumar Chourasia	Assistant Professor	20.06.2017
		18	Mr.	Ankur Sharma	Assistant Professor	16.07.2018
		19	Dr.	Manvendra Singh	Assistant Professor	08.06.2019
2	Ag. Economics + (Basic Economics, Math, Computer Sc. And Statistics)	20	Dr.	Amar Singh	Assistant Professor	22.02.2017
		21	Dr.	Dinesh Baboo Tyagi	Associate Professor	16.07.2018
		22	Dr.	Abhishek Kalia	Assistant Professor	Visiting
		23	Prof	F.K. Awasthi	Professor	Visiting
		24	Mr.	Rahul Kumar Gha	Assistant Professor	20.06.2017

3	Ag. Extension and Communication + (Sociology and Psychology, English)	23	Dr.	Akhilesh Kumar Gupta	Assistant Professor	28.04.2019
		26	Dr.	H.L. Singh	Professor	Visiting
		27	Mr.	K.K. Joshi	Assistant Professor	19.04.2018
		28	Ms.	Phalguni Parmar	Assistant Professor	05.03.2019
		29	Mr.	Pankaj Gugnani	Assistant Professor	20.06.2017
		30	Dr.	A.G. Noolkar	Professor	01.07.2013
		31	Dr.	Archana Sharma	Assistant Professor	28.09.2015
		32	Dr.	D.S. Tomar	Associate Professor	01.07.2013
		33	Dr.	Rajesh Dwalia	Associate Professor	03.10.2018
		34	Dr.	Shahid Amin Bhat	Assistant Professor	01.07.2013
		35	Dr.	Vinay Gupta	Assistant Professor	01.08.2007
		36	Dr.	Nitin Chaturvedi	Assistant Professor	20.06.2017
		37	Ms.	Mona Raghuvanshi	Assistant Professor	09.08.2017
		38	Mr.	Kanishk Sharma	Assistant Professor	16.08.2014
		39	Mr.	Gajendra Singh	Assistant Professor	10.07.2019
		4	Entomology	40	Mr.	Premod Kumar Prajapati
41	Ms.			Anam Shukla	Assistant Professor	18.07.2018
42	Dr.			Kanishk Kumar Chauhan	Assistant Professor	04.07.2019
43	Dr.			Dheeraj Mishra	Assistant Professor	Visiting
44	Prof.			Bhaskar Mishra	Professor	Visiting
45	Dr.			Pawan Kumar	Assistant Professor	20.09.2016
46	Dr.			Meghna Sharma	Associate Professor	01.07.2013
47	Dr.			Mona Mishra	Associate Professor	01.07.2013
48	Dr.			Baldeo Singh	Professor	Visiting
49	Dr.			Rahul Kumar Pandey	Assistant Professor	01.04.2019
50	Ms.			Suraksha Garg	Assistant Professor	05.04.2019
51	Dr.			K. Rani Laxmi Rajy	Assistant Professor	28.03.2019
52	Ms.			Prii Mishra	Assistant Professor	30.03.2019
5	Genetics and Plant Breeding + (Seed Sc. & Technology)			53	Dr.	Kanchan G. Padwal
		54	Mr.	Naresh Dhakad	Assistant Professor	25.09.2017
		55	Mr.	Sanju Singh	Assistant Professor	04.07.2019
		56	Dr.	Syed Karim Ahmad	Assistant Professor	08.04.2019
		57	Dr.	Balabaghi Chiranjeevi	Assistant Professor	04.07.2019
		58	Dr.	Neha Shrivastava	Assistant Professor	15.07.2019
		59	Dr.	Sudheer Kumar Pathak	Assistant Professor	15.07.2019
		60	Mr.	Navneet Sarankar	Assistant Professor	31.08.2015
		61	Dr.	Shekhath Mishra	Assistant Professor	25.04.2018
		62	Dr.	Adama Dubey(GPS)	Assistant Professor	24.04.2016
		63	Dr.	Jai Prakash Gupta	Assistant Professor	15.07.2019
		64	Dr.	Lakshman Singh	Associate Professor	03.07.2017
		65	Dr.	Shama Parveen	Associate Professor	10.02.2018

6	Horticulture + (Food Sc. & Technology)	66	Dr.	Ajay Puri Garwani	Assistant Professor	28.04.2019
		67	Dr.	Pratishtha	Assistant Professor	13.08.2018
		68	Dr.	Kradesh	Assistant Professor	07.07.2018
		69	Mr.	Ankit Deyal	Assistant Professor	02.07.2018
		70	Mr.	Ram Niwas Rathore	Assistant Professor	08.06.2019
		71	Mr.	Akendra Singh	Assistant Professor	19.06.2018
		72	Mr.	Anil Yadav	Assistant Professor	19.06.2018
		73	Mr.	Himanshu Mishra	Assistant Professor	06.08.2019
		74	Mr.	Sanal Kumar Powaliya	Assistant Professor	13.07.2019
		75	Dr.	Amil Karweja	Assistant Professor	Visiting
		76	Mr.	Sandeep Kumar Maurya	Assistant Professor	08.06.2019
		77	Mr.	Mohamad Javed	Assistant Professor	08.06.2019
		78	Dr.	Sarvesh Singh	Assistant Professor	10.01.2018
		79	Dr.	Chandan Singh	Assistant Professor	25.04.2019
		80	Dr.	Niyati Jain	Assistant Professor	05.04.2019
		81	Dr.	Pushpendra Verdy	Assistant Professor	04.07.2019
		82	Dr.	R.A. Ram	Professor	Visiting
		83	Dr.	A.K. Pandey	Professor	Visiting
		84	Prof.	K.N. Naglich	Professor	Visiting
		85	Dr.	Pankaj Shrivastava	Professor	04.07.2019
86	Dr.	Balraj Singh	Professor	Visiting		
7	Soil Sc. & Ag. Chemistry + (Microbiology, Agrometeorology, Environmental Sc.)	87	Mr.	S.K. Addy	Assistant Professor	03.09.2016
		88	Dr.	Prabha Devi	Assistant Professor	01.10.2013
		89	Dr.	Ranjana Goswami	Assistant Professor	01.07.2013
		90	Dr.	Rupal Bastogi	Associate Professor	01.07.2013
		91	Mr.	Piyank Chaturvedi	Assistant Professor	10.07.2019
		92	Mr.	Gaurav Singh	Assistant Professor	10.07.2018
		93	Dr.	Shiv Om Singh	Associate Professor	01.07.2013
		94	Dr.	Sujeet Kumar Mittal/ary	Assistant Professor	08.01.2018
		95	Dr.	Arpita Sharma	Assistant Professor	04.07.2019
		96	Dr.	A.K. Dwivedi	Professor	Visiting
		97	Dr.	L.K. Tripathi	Assistant Professor	19.06.2017
		98	Dr.	Priyal Pandey	Assistant Professor	15.07.2019
		99	Ms.	Aashita Paney	Assistant Professor	15.07.2019
		100	Dr.	Grish Pandey	Professor	01.07.2013
		101	Prof.	B.S. Dwivedi	Professor	Visiting
		8	Plant Pathology (Agriculture)	102	Mr.	Rinku Sharma
103	Mr.			Amil Kumar Sharma	Assistant Professor	12.07.2019
104	Dr.			Neelam Arora	Assistant Professor	15.07.2019
105	Mr.			Moneesh Singh	Assistant Professor	31.01.2019
106	Dr.			Mahesh Singh	Assistant Professor	04.04.2016
107	Dr.			Shyam Kishore Porel	Assistant Professor	06.06.2019
108	Dr.			Pranod Kumar Fatehpuria	Assistant Professor	04.07.2019
109	Mr.			Prashant Kumar Singh	Assistant Professor	15.07.2019

9	Animal Sc. including Fisheries, Dairy Sc. & Poultry	110	Mr.	Mohit Bhardwaj	Assistant Professor	08.06.2019
		111	Prof.	D.N. Kamra	Professor	Visiting
		112	Dr.	Aaradhish Kohra	Professor	08.06.2019
10	Agril. Engg + (Farm Management)	113	Mr.	Mukesh Sheel Pal	Assistant Professor	12.04.2019
		114	Mr.	Sameer Shrivastava	Assistant Professor	10.07.2015
		115	Mr.	Sohil Agarwal	Assistant Professor	14.07.2015
		116	Mr.	Arun Singh Kushwah	Assistant Professor	01.07.2013
		117	Mr.	Trilok Raj Chauhan	Assistant Professor	07.07.2014
11	Biochemistry & Crop Physiology	118	Dr.	Mamta Pandey	Assistant Professor	04.07.2019
		119	Dr.	Nitin Vikram	Assistant Professor	04.07.2019
		120	Dr.	Nikita Nehal	Assistant Professor	17.07.2018
		121	Dr.	Mayank Chaturvedi	Assistant Professor	08.06.2019
		122	Dr.	Praval Singh Chauhan	Associate Professor	20.07.2015

Note: Courses for Animal science including Dairy Science and poultry unit, Agriculture Engg. etc. are completed by hiring the Visiting Professors/ Teachers

6.4.3. Technical and Supporting staff: The position of the technical and supporting staff of the Degree Programme including farm and field workers are mentioned for both sanctioned and in place.

The list of technical and supporting staff, their name, specialization, date of appointment in the college, period of contract, salary account summary for last three years with the reference to Form 16 (income tax) is given below.

S.No	Divisions/ Departments/ Sections	Lab Asst	DOJ
1	Agronomy	1. Aman Akhwar	14.11.2018
		2. Pradeep Mittal	07.07.2012
2	Agriculture Economics	3. Rakesh Pratap Singh	10.07.2019
		4. Sukhveer S Chokkya	22.12.2008
		5. Sachit Tripathi	19.07.2019
3	Agriculture Extension	6. Gejendra Singh	10.07.2019
		7. Subendra Singh Gurjar	11.07.2019
4	Entomology	8. Dhwanaj Singh Gurjar	25.06.2018
5	GPB	9. Manoj Singh	20.07.2019
		10. Arhya Narayan Gill	15.07.2019
6	Horticulture	11. Sanat Kumar Pawarya	13.07.2019
		12. Rajveer Singh Katariya	19.07.2019
		13. Bhavneesh Singh	19.07.2019
7	Soil Science	14. Kishay Kumar Shrivastav	19.07.2019
		15. Shalchira Sen	01.08.2006
		16. Apna Singh Tomar	20.07.2019
8	Plant Pathology	17. Anil Kumar Sharma	08.06.2019
		18. Mohit Bhardwaj	08.06.2019
9	Animal Science & Dairy Science	19. Durga Manjusha Khatwani	20.07.2019
		20. Sumant	19.07.2019
10	Agriculture Engg	21. Anadita Supriya	20.07.2019
		22. Harechutan Kushwah	16.07.2019
11	Biochemistry & Crop Physiology		

List of Assistant

S.No	Name of Employee	Post	DOJ
1	Atul Pant	CO/OA	12.01.12
2	Santosh Shrivastava	CO/OA	27.06.2007
3	Prashant Saxena	CO/OA	04.10.2011
4	Gajendra S Rajput	CO/OA	01.07.2012
5	Vishal Rao Kadam	Technical Support Officer	16.08.2000
6	Shivam Koshal	Technical Asst.	05.03.2019
7	JITendra Tomar	Technical Asst.	01.07.2013
8	Shivam Bhargava	CO/OA	24.06.2015
9	Ravi Mohan Shrivastava	CO/OA	16.10.2015
10	Ajay Sarvaiya	CO/OA	01.04.2016
11	Jai Kumar Mohte	CO/OA	07.08.2018

List of Field Assistant

S.No	Name of Employee	Post	DOJ
1	Charan Singh Prajapati S/O Shri Virkharam Prajapati	Field Man	11.07.2018
2	Gyaram Baghel S/O Ferilal Baghel	Field Man	02.08.2018
3	Sardar Khan S/O Shri Nawab Khan	Field Man	02.08.2018
4	Manish S/O Rajendra Singh	Field Man	10.03.2019
5	Sanju S/O Hari Singh	Field Man	10.03.2019
6	Ramji Lal S/O Shri Mangal Singh	Field Man	18.12.2018
7	Ram Swroop (Baghel)	Field Man	02.12.2015
8	Syaram	Field Man	12.10.2016
9	Vijay Singh Baghel	Field Man	10.08.2017
10	Ramesh Baghel	Field Man	18.09.2017
11	Sultan Singh	Field Man	01.07.2012
12	Seva Ram	Field Man	05.02.2014
13	Kamal Singh	Field Man	01.07.2014
14	Rajveer	Field Man	20.12.2016
15	Virsingh S/O Ganpat	Field Man	01.07.2018

Library Staff

S.No	Name Of Employee	Post	DOJ
1	Anita Sharma	Librarian	11.09.1997
2	Shraddha Gupta	Asst. Librarian	09.07.2007
3	Bhupesh Singh	Book Lifter	18.05.2018

Account Office

S.No	Name Of Employee	Post	DOJ
1	Ajay Khabri	CFAO	16.07.2012
2	R C Gupta	Advisor -I	02.07.12
3	Jishan Khan	Account Officer	15.10.2008
4	Ajay Sarvaiya	CO/OA	01.04.2016

Store

S.No	Name Of Employee	Post	DOJ
1	Gyan Prakash Shrivastava	Asst. Store In-Charge	21.01.2019
2	Rajnish Pathak	Office Superintendent-Store	26.04.2019
3	Jaydeep Kaurav	Office Assistant-Store	29.06.2015

Departmental Staff

S.No	Name Of Employee	Post	DOJ
1	Rajendra Singh Dharamiya	Deputy Registrar/Administrative Officer	02.07.2012
2	Amik Kumar Sharma	Assistant to Adimistrative Officer	10.10.2016
3	Virendra Thapa	Assistant Academic Officer	02.07.2007
4	Bhupendra Sharma	Assistant to Assistant Academic Officer	24.10.2016
5	Devendra Pratap	PA/PS to Dean	21.09.2011
6	Mohit Bhardwaj	Farm Manager	08.06.2019
7	Suneel Sharma	Steno/Computer Operator	10.10.2018
8	Naresh Dubey	Daftari	01.07.2012
9	Jitendra Singh Tomar	Driver	16.06.2016
10	Ram Kumar Mishra	Estate Supervisor	05.09.2018
11	Pooran Singh Gurjar	Maintenance Supervisor	16.05.2017

Central Instrumentation Laboratory

S.No	Name Of Employee	Post	DOJ
1	Sanjeev S. Tomar	Technical Assistant	16.08.2000
2	Manoj Agarwal	Lab Technician	13.08.2008

Students Welfare

S.No	Name Of Employee	Post	DOJ
1	Bhanu Pratap Singh	Assistant Professor - Physical Education	29.06.2019
2	V P Singh	Attender	01.07.2019

Hostel Staff

S.No	Name Of Employee	Post	DOJ
1	Rakesh Kumar Dhaka	Warden	02.04.2011
2	Arpit Singh Chauhan	Warden	25.10.2013
3	Faizan Khan	Care Taker	09.07.2018
4	Trishla	Care Taker	01.01.2019

Estate Branch

S.No	Name Of Employee	Post	DOJ
1	Naveen Singh Raghuvanshi	Security Officer	08.08.2013
2	Shubham Sharma	Civil Maintenance Supervisor	30.12.2016

Class - IV

S.No	Name Of Employee	Post	DOJ
1	Bhupendra Kharoniya	Supervisor	01.07.2015
2	Girish Kumar Yadav	Peon	01.07.2014
3	Narendra Batham	Peon	30.08.2012
4	Narendra Gaur	Peon	01.07.2014
5	Harikesh Chauhan	Peon	02.01.2015
6	Jitendra (Singh) Jatav	Peon	25.09.2018
7	Santosh Sharma	Peon	01.04.2013
8	Sanju Gurjar S/O Vakeel Singh	Peon	15.05.2017
9	Sonu Balmik Dholpuria	Sweeper	01.07.2014
10	Sonu Pathore	Sweeper	02.12.2014
11	Rekha Balmik (Pathore)	Sweeper	02.12.2014
12	Ravi Balmik S/O Vishambhar	Sweeper	14.09.2018
13	Sandeep Balmik	Sweeper	04.09.2015
14	Dharam Singh Balmik	Sweeper	20.09.2017
15	Rajendra Sharma	Prahari	29.08.2012
16	Arvind Singh Yadav	Prahari	03.12.2012
17	Vishambar Singh Baghel	Prahari	18.12.2012
18	Ramveer Jet	Prahari	01.07.2012
19	Ranjeet Singh Kushwah	Prahari	25.09.2013
20	Vijay Singh Kushwah	Prahari	01.07.2012
21	Manoj Singh Jet	Prahari	01.10.2011
22	Tilak Singh yadav	Prahari	07.06.2012
23	Jagat Singh Kushwah	Prahari	07.06.2012
24	Ravindra Singh Parmar	Prahari	05.08.2013

6.4.4. Classrooms and Laboratories: The number of class rooms and functional laboratories available for the degree programme to meet the course curricula requirement and the lists of major equipments, laboratories, farm facilities, workshops and other instructional units being utilized for the award of the Degree Programme are given below. The theory and practical batches for the Degree Programme are also mentioned.

No. of Classrooms: No. of Classrooms are sufficient to meet the curriculum requirements of SoAg shown as under:

S. No.	Course	No. of Classrooms
1.	B.Sc. (Ag)	13(9 + 4 smart classes)
2.	M.Sc. (Ag)	04
3.	Conference Hall	01
4.	Meeting Hall	01
5.	Common room (Boys)	01
6.	Common Room (Girls)	01
7.	Functional Laboratories	10

A. List of equipments:

1. Agronomy & Agroforestry Lab.

S.No.	Instrument/ equipment	Units
1.	Hot air oven	02
2.	Moisture box	12
3.	Moisture meter	01
4.	Tube auger	01
5.	Bucket auger	02
6.	Weighing balance	01
7.	Conductivity Meter	01
8.	pH meter	01
9.	Water bath	01
10.	Shaker	01
11.	Chlorophyll meter	01
12.	Drip & sprinkler unit	01 each
13.	Top pan balance (1 Kg)	02
14.	Top pan balance (2 Kg)	05
15.	Meter Scale	02
16.	Inch Tape	02
17.	Brix meter	01
18.	Distillation Unit	01
19.	Vacuum Desiccator	01

2. Animal Sciences & Dairy Lab.

S.No.	Instrument/ equipment	Units
1.	Vaccinator	01
2.	Milking Pan	08
3.	Lactometer	01
4.	Castrator	01
5.	Shearer	01
6.	Electric dehorner	01
7.	Artificial Vagina	01

3. Soil Science & Agricultural Chemistry Lab.

S.No.	Instrument/ equipment	Units
1	Stirrer	3
2	Spectrophotometer	1
3	Conductivity meter	1
4	pH meter	1
5	Physical balance	5
6	Flame photometer	1
7	Sorlets apparatus	1
8	Simple microscope	2
9	Rotatory Shaker	1
10	Soil Analysis kit	1
11	Beuyoucos Hydrometer	2
12	TDS meter	1
13	Nitrogen distillation set	1
14	Hot plate	1
15	Water distillation assembly	1
16	Kjeldhal Apparatus	1
17	Incubator	1
18	Single Pan Balance	1
19	Hot Air oven	1
20	Soil Auger	1
21	Moisture Box	12
22	Soil Analysis kit	02

4. Plant Pathology Lab.

S.No.	Instrument/ equipment	Units
1	Incubator	1
2	Water Bath	1
3	Hot Air oven	1
4	pH meter	1
5	Weighing Balance	1
6	Simple Microscope	21
7	Laboratory Stirrer	2
8	Insect Hand Net	5
9	Spreading Board	4
10	Insect Collection Box	1
11	Laminar Air Flow	1
12	Physical Balance	5
13	Water Distillation Assembly	1
14	Autoclave	1

5. Horticulture & Post Harvest Tech. Lab.

S.No.	Instrument/ equipment	Units
1	Water can	15
2	Knapsack sprayer	7+7=14
3	Foot sprayer	2
4	Mixture & Grinder	2
5	Spade	40
6	Kudali	15
7	Rack	1
8	Khurpi	60
9	Fork	40
10	Bill hook	4
11	Hedge Shear	5
12	Looper	5
13	Sickles	10
14	Secateur	2
15	Budding knife	20
16	Grafting knife	20
17	Laboratory stirrer	5
18	Gas oven with cylinder	1
19	Refrigerator	1
20	Weighing Balance	1

6. Agril. Economics, Statistics & Computer Lab.

S.No.	Instrument/ equipment	Units
1	Monitor	60
2	CPU	60
3	Mouse	60
4	Keyboard	60
5	AC	03
6	Computer Table	60
7	Projector	01
8	Internet Facility	Available

7. Genetics & Plant Breeding, Biotechnology Lab.

S.No.	Instrument/ equipment	Units
1.	Hot air oven	01
2.	Weighing Balance	01
3.	Seed Germinator	01
4.	Water Bath	01
5.	Top Pan Balance	01
6.	Compound Microscope	15
7.	Electronic Moisture Meter	01
8.	Seed Counter	01
9.	Hot Plate	01
10.	Seed Drum	01
11.	Potometer	01
12.	Seed Divider	01
13.	Seed sample tray	05
14.	Seed germination tray	02
15.	Respirometer	01
16.	Spirit Lamp	10
17.	Gel Electrophoresis Unit	01
18.	Microwave Oven	01
19.	Autoclave	01
20.	Spectrophotometer	01
21.	Laminar Air Flow	01

8. Entomology

S.No.	Instrument/ equipment	Units
1.	Weighing Balance	01
2.	Binocular Microscope	01
3.	Sprayer	01
4.	Insect Box	35
5.	Insect Collection net	30
6.	Insect Collection Bottle	30
7.	Insect boxes for museum	05
8.	Apiculture Unit	01
9.	BoD Incubator	01
10.	Hot Air Oven	01

9. Research Lab.

S.No.	Instrument/ equipment	Units
1	Atomic Absorption Spectrophotometer (AAS)	1
2	Single Pan Balance	1
3	Conductivity Meter	1
4	pH Meter	1
5	Nephelometer	1
6	AC	1
7	Physical Balance	1
8	Gel Electrophoresis System	1
9	BOD Incubator	1
10	Humidifier	1

10. Agro meteorology Lab.

S.No.	Instrument/ equipment	Units
1.	Thermometer Max.	1
2.	Thermometer Min.	1
3.	Digital Anemometer	1
4.	Cup Anemometer	1
5.	Pan Evaporimeter	1
6.	Soil Thermometer	1
7.	Rain Gauge	1
8.	Self Recording Rain Gauge	1
9.	Sun Shine Recorder	1
10.	Stevenson's Screen	1
11.	Thermo Graph	1

12.	Hydrograph	1
13.	GPS	1
14.	Lux Meter	1
15.	Solar Pyrometer	1
16.	Wind Vane	1

Agriculture Farm

S.No.	Instrument/ equipment	Units
1	Tractor with trolley	1
2	Cultivator	1
3	Seed drill	1
4	Disc Harrow	1
5	Disc Plough	1
6	Multi Crop Thresher	1
7	Rotavelor	1
8	Furrow maker	1
9	Grass cutter	1
10	Leveller	2
11	Tanker (water)	2

a. **Theory and Practical Batches:** The batches for conduction of theory and practical classes are comprises as given below.

Theory-60 students / batch

Practical-30 students/ batch

No. of functional laboratories:

S. No.	Departments	Name of laboratories
1.	Agronomy and Agroforestry	Agronomy and Agroforestry Lab
2.	Agricultural Extension & Communication	Agricultural Extension & Communication Lab
3.	Agriculture Economics, Statistics & Computer	Agriculture Economics, Statistics & Computer Lab
4.	Agricultural Engg	Agricultural Engg. Lab
5.	Animal Sciences & Dairy	Animal Sciences & Dairy Lab
6.	Entomology	Entomology Lab
7.	Genetics & Plant Breeding	Genetics & Plant Breeding, Biotechnology Lab

8.	Horticulture and PHT	Horticulture & PHT Lab
9.	Soil Science & Agril. Chemistry	Soil Science & Agril. Chemistry Lab
10.	Soil Science & Agril. Chemistry	Agrometeorology (Observatory)
11.	Plant Pathology	Plant Pathology Lab
12.	Environmental Sciences	Environment Lab
13.	Experiential Learning	Mushroom Culture Lab.
14.	Research Lab	PG & Ph.D. Research Experiment

Farms

1. Crop Cafeteria
2. Crop Museum
3. Integrated Farming System
4. Research Farms
 - I. Agronomic Research Farm, Sithouli
 - II. Horticulture Research Farm, Turari
 - III. Seed Production Unit, Turari
 - IV. Crop Research Centre (CRC), Sithouli
5. Agro-forestry units
 - I. Neem Vitihika (intercropped with Turmeric)
 - II. Neem Vitihika (intercropped with Pigeon Pea)
 - III. Agro-Forestry (intercropping with Sesamum)
6. Orchards

Name of trees	Area (m ²)
Mango Orchard	8660
Herbal Garden	2128
Avenue	1830
VSB	2597
Mango, Papaya and Guava	6806

7. Landscapes and Lawn

	Name of Orchard	Area (m ²)
1.	Vikram Sarabhai Lawn	3000
2.	Hargobind Khorana Lawn	5670
3.	NAAD Lawn	1188
4.	Akshardham Lawn	7380
5.	Carnot Lawn	1296
6.	store	1944

8. Poly-house, Low tunnel poly-house, Net Shade House and Nursery

9. Biofertilizer Unit

10. Zero Energy Cooling Unit

6.4.5. Conduct of Practical and Hands-on-Training:

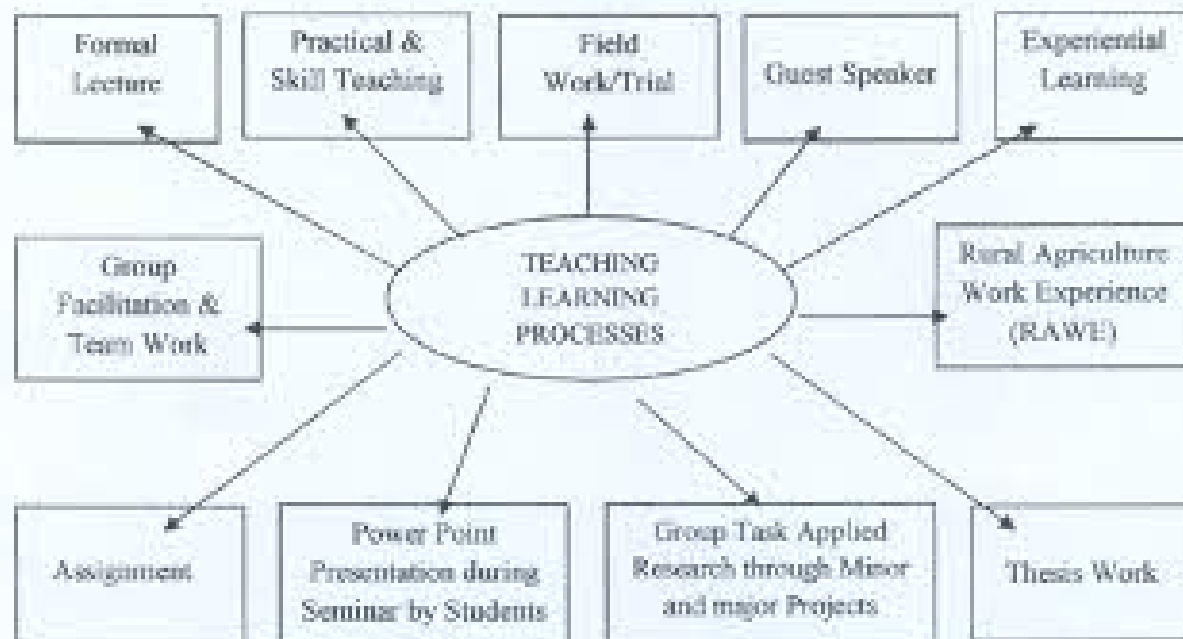
School of Agriculture is conducting subject wise practical's as per syllabus requirement and hands-on-trainings are also regularly conducted at research farm and in laboratories. All the laboratories are well equipped and functional for conducting UG/ PG practical's requirements. Practical Manuals are also developed. As per the syllabus, students also visit Agricultural Industries and ICAR/ SAUs and KVKs. Students are attached to various innovative trainings at progressive farmer's field and industries.

Teaching - Learning Out Come of the Students

Teaching - learning processes aim to impart knowledge and skills to students. The programme involve a very rigorous academic skill oriented practical knowledge with opening a window with latest agricultural know – how through various planned teaching and learning process. In this process, a mix of formal lecture, practical and skill teaching, field work / trial, guest lecture, experience learning in field, Rural Agriculture Work Experience (RAWEx) with village attachment, problem based thesis work for PG students, group task applied research through minor and major projects, power point presentation during seminar by students, assignment and group facilitation and team work are being implemented by SoAg.

The pictorial view of different ways of teaching and learning process is shown as under

Teaching – Learning process:



Since its inception, the ITM University has been following Continuous Assessment System. Also it has recently introduced Assessment Based Continuous System (ABCA) in its academic curriculum so as to develop research acumen in the students.

The objective of Activity Based Continuous Assessment (ABCA) System

- To help a student to exhibit his talent through activities.
- To assist students individually for learning.
- To support learning through improved student-teacher interactions
- To lead the students toward better understanding of the concept.

The learning process is more effective and consistent by systematically linking activities to course structure and grading practices to intended learning goals. The teacher provides systematic feedback to students about their own progress.

The following are the changes addressed for implementing ABCA system.

- What do you really want students to know and learn?
- What are your students actually learning?
- What can you do to help students learn what you believe they need to know?

Mentor mentee system: A strong mentor-mentee system exists in School of Agriculture to regulate the students and strong watch on the student's action and activity index. This system is highly appreciated by the parents/ guardians and students are also in direct touch of their mentors. All problems and activities come through mentor to the HoD/ Dean, (SOAG).

6.4.6 Supervision of students in PG/Ph.D programmes.

Programmes	No. of students being supervised	No. of qualified faculties	Qualification
Ph.D. Programme	01	17	Ph.D., with 8 years of Academic Experience in teaching, research and extension at State Agricultural Universities
M.Sc. (Ag) Programme	35	87	Ph.D. and NET

6.4.7. Feedback of stakeholders (Students, parents, industries, employers, farmers etc.):

- Student Feedback on learning, teaching and curriculum, forms a component of a system for quality improvement, quality assurance, reward and recognition of teaching quality.
- Online feedback system is developed for students.
- Students can submit their feedback through Student Information system (SIS) login without disclosing their identity.
- Submission of feedback is must for every student, without which their result may be blocked.

Management Information System (MIS)

University having a dedicated software- Management information system (MIS) which automates the activities of Examination, Student Registration, Attendance system (for staff and student), Student Notice section etc. To meet the future challenges like accessing information, availability of information, the software maintains the information on the cloud and can be access by the person from anywhere and anytime.

Student Information System (SIS)

- 1- Student information system (SIS) Portal has been conceived to meet the information needs of the students/ parents of the JIM University, Gwalior.
- 2- It has been attempted to create a strong on line platform, the student information system, wherein the parents/ students can find almost all the information of their wards and keep themselves updated about his / her performance.
- 3- The parents / students can access the following information from their customised SIS Login.
- 4- Using this Portal parents / students can see their fee dues, daily notices and circular, results, exam forms, give feedback, write suggestions, grievances etc.

Student Feedback Mechanism:

- 1- Student feedback on learning, teaching and curriculum forms a component of a system for quality improvement, quality assurance, reward and recognition of teaching quality.

An Online feedback system is developed through which students can contribute to establishing outstanding learning environment by submitting feedback through SIS login without disclosing their identity. Submission of feedback is must for every student, without which their result may be blocked.

6.4.8 Student intake and attrition in the programme for last five years: Year wise information on sanctioned strength, actual intake and attrition in the last five years of the Degree Programme, in the tabular form, is given below.

Name of the Degree Programme	Sanctioned strength	Actual student admitted in last five years					Attrition (%)				
		Y1 2014- 15	Y2 2015- 16	Y3 2016- 17	Y4 2017- 18	Y5 2018-19	Y1 2014- 15	Y2 2015- 16	Y3 2016- 17	Y4 2017- 18	Y5 (2018-19)
B.Sc. (Ag)	240	223	216	205	207	240	4	5	4	6	00

6.4.9. ICT Application in Curricula Delivery: ICT is the integral part of teaching and learning programme of our school. The school is imparting the knowledge through audio visual aids like collar mike and power point presentation. The students of school are also well conversant with ICT and they are also using the system at their seminar are farmer Goshthi. They imply ICT in formulation of their research and entrepreneurship programs .Technology in the education enables students, faculty and researches with easy access to the internet and open networks, to adopt high degrees of sharing, collaboration and participation. School has well equipped classrooms with ICT facilities.

We are fully clued up on the hypothesis that the dimensions and quality of education keep on evolving with time. In every walk of life, there has to be very copious intervention of technology in general and that of Information and Communication Technology (ICT) in particular. In consonance with this, our entire essential processes which appertain to academics, examinations student support services various human resources functions are executed through a highly sophisticated ERP platform developed by ITM University.

The ITM University is extensively using digital platform for internal communication and administration. With MIS as e-platform, we maintain complete transparency in academics, administration, fee collection and finances.

