Accredited 'B' Grade BY
NAAC
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

KSURF
ICARE RATINGS

AKKAMAHADEVI WOMEN'S UNIVERSITY, VIJAYAPURA

(Formerly Karnataka State Women's University)

AKKAMAHADEVI WOMEN'S UNIVERSITY, VIJAYAPURA

Karnataka State Women's University established in the city of Vijayapura during the academic year 2003-04 has been renamed as Akkamahadevi Women's University on 11th June 2017. Chief Minister Shri.Siddaramayya is inaugurating the programme. Higher Education Minister Shri. Basavaraj Rayaraddy, Water Resources and District in-charge Minister Shri M.B.Patil and other Ministers, MLAs, Swameejis, Vice Chancellor Prof. Sabiha Bhoomigouda and others also seen.

AKKAMAHADEVI WOMEN'S UNIVERSITY

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DEVELOPMENT ACTIVITIES UNDER RUSA

Progress Report Submitted to:
HIGHER EDUCATION COUNCIL
Higher Education Department, Govt. of Karnataka, Bengaluru- 560009

OUR CHANCELLOR
Shri.Vajubhai Vala
His Excellency the Governor of Karnataka
and Chancellor of
Akkamahadevi Women's University, Vijayapura

OUR PRO-CHANCELLOR
Sri. Basavaraj Rayareddi
Higher Education Minister and Pro-Chancellor
of Akkamahadevi Women's University, Vijayapura

OUR VICE CHANCELLOR
Prof. Sabiha Bhumigouda
Vice Chancellor, AWUV

Prof.L.R.Naik
Registrar

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Registrar (Evaluation)

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(Finance Officer)

Women's Education - Universal Education
ಸ್ತ್ರೀ ಶಿಕ್ಷಣ - ಸರ್ವ ಶಿಕ್ಷಣ

DESCRIPTION OF THE EMBLEM

A Woman with a book in one hand and a pen in the other is the very incarnation of self-confidence. This is the Emblem of Karnataka State Women's University. The Lamps symbolize Knowledge: The Hands denote Akkamahadevi and Chand bibi, the two women of this region who crusaded for the upliftment of women. The Seven bangles in the hand represent the seven colors emerging unified as a ray of light: The bangles in the left hand represent the Panchabhutas. The Rainbow behind the Woman holding a pen aloft represents the rainbow of promises; the figure of the Arch in the background stands for the architectural heritage of Vijayapur. The Gol Gumbaz to its right and the Anubhava Mantap to its left, herald the Religious Harmony and History of Bijapur. The peepul tree and the coconut tree, which form a halo around the arch, symbolize Enlightment and Prosperity.

The Structure supporting all these signifies the mythological Adishesha who believed to be upholding the earth. The dancing lines are metaphorica of feminity, the picture reminds us of the Buddha in deep meditation and the MOTTO is "Education for Woman is Education for all"

From the
Vice Chancellor's Desk

Akkamahadevi Women's University is marching ahead towards overall development of women by opening the gateway of opportunities in higher education and also by undertaking many new developmental activities. Many innovative projects are also being designed and implemented to empower women. The university is striving hard to enhance the knowledge, culture and overall personality of women and promote socio-economic growth of rural women.

Established in the city of Vijayapura during the academic year 2003-04 Karnataka State Women's University has been renamed as Akkamahadevi Women's University on 11th June 2017. Akkamahadevi has a very unique identity in the 'Sharana movement' of the 12th century. 'Akka' is a live example to demonstrate that a woman can rise to the ultimate spiritual heights by being a perfect model of sacrifice during the 'Sharana movement'. By being an ethical symbol for alertness she has influenced the sharana's of all periods as divine spirit. Hence I deem it quite apt and meaningful to rename this university in the name of Akkamahadevi – a great woman achiever of all times.

The university that started with only six post-graduate courses and 227 students on roll with a jurisdiction over 13 districts of north Karnataka, now have more than 2500 students pursuing 32 various post-graduate courses in 2016-17 with the jurisdiction extended over the state along with two extension centers – one at Mandya and another at Udutadi and a P G center at Sindhanur.

PhD programmes were started in the year 2006-07 to enable those women who are interested in knowledge acquisition and also desirous and capable of continuing higher studies. More than 300 research scholars are working for their doctoral programmes in different disciplines.

The university has adopted unique curriculum specially designed for women students. Students can choose subjects such as Feminine Jurisprudence, Women's Health, Yoga Studies, Computer Applications, Information literacy, Information sources, Women and media and Human Resource management, other than a number of choice based programmes in vocational subjects in addition

to regular subjects which is not found in any other university. This is the first conventional university in our country of villages, to teach "Women and Live Stock Development" at MA level under Women Studies.

The Dual Course Programme of the university enables post graduate students in the university to pursue two or more courses at a time bearing in mind the limited time available for girl students from the backward areas before marriage disrupts their academic career. Project work is made compulsory during the fourth semester.

The university is maintaining the lowest fee structure in the state for various courses in order to encourage women from poor socio-economic strata pursue higher education. The university is also adopting same policy for the affiliated women's colleges which are also dedicated for education of rural women, charging them least affiliation, admission and examination fees.

The university has adopted unique and progressive policies introducing more flexibility in the system to enable women to pursue higher education, wherein students who discontinue education due to marriage or child birth can pursue education at a later stage when their circumstances compel them to be breadwinners of the family or when their circumstances permit them to study, while getting the benefit of credits earned by them earlier. The university also takes the credit for convincing other universities in the state to admit such students.

Kaushalya Women's Technology Park established in the Jnanashakti campus of the university is an innovative and unique experiment. This women's technology park has been established for students and women and more particularly the skill enhancement of rural women. This is the first university to start such a women's technology park for the overall development of women. The university has proved the common people's allegations "Universities are ivory towers and that there is no entry to common people" wrong by creating a conducive environment, the Women's university is training the rural women along with student community on different subjects by employing the locally available resources and thereby helping the rural women to involve themselves in self- entrepreneurship and economic empowerment.

The university is accredited with 'B' grade by the NAAC and quite recently the university has been given three star status in K-SURF rankings. These developments have made our 14 years of existence very memorable.

The University has been fortunate enough to be considered for RUSA grants. A recipient of RUSA funds under Component 3: Infrastructure grants to Universities, the university is making all efforts to utilize the funds in a more transparent way and in accordance with RUSA guidelines. A detailed report is provided in this booklet brought out by the RUSA cell on this occasion.
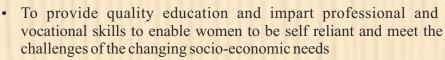
Prof. Sabiha Bhoomigouda
Vice Chancellor

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CORE VALUES OF AKKAMAHADEVI WOMEN'S UNIVERSITY

VISION

Empowerment of women through education

MISSION

• To provide quality education and impart professional and vocational skills to enable women to be self reliant and meet the challenges of the changing socio-economic needs
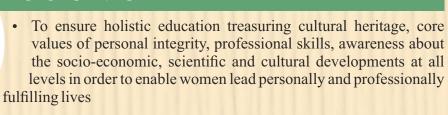
• To promote personality development and leadership qualities with a balanced outlook towards society

• To help women enrich their knowledge and reap the benefits of knowledge power

OBJECTIVES

• To ensure holistic education treasuring cultural heritage, core values of personal integrity, professional skills, awareness about the socio-economic, scientific and cultural developments at all levels in order to enable women lead personally and professionally fulfilling lives

• To equip women with necessary qualities to play an equal role in decision making in matters of importance to herself, family and society

• To promote advanced research in science, social sciences, arts and humanities especially on topics of regional importance

• To contribute towards socio-economic transformation of women in need through formal and non-formal education and training, outreach programmes and facilitate strengthening of mass education and primary education programmes.

GOALS

• To bridge gender gaps

• To help women from rural and backward areas to join the mainstream

• To enable and motivate women to play an effective and constructive role in the society at all levels.

ABOUT THE UNIVERSITY

Akkamahadevi Women's University formerly known as Karnataka State Women's University, established in 2003 in the city of Vijayapura (Formerly Bijapur), is the only Women's University in Karnataka dedicated exclusively for women's education. It is recognized under 2(f) and 12(B) of the UGC Act. It has been accredited 'B'grade by NAAC. The university is also a recipient of three Stars in NIRF rankings. One hundred and thirty seven women's colleges of Karnataka, are affiliated to this University and one P G center at Sindhanoor and also at Udutadi, one Extension center at Mandya are also offering various programmes. . The University offers various UG programmes leading to Bachelor's degree in Arts, Business Administration, Computer Applications, Commerce, Education, Fashion Technology, Home Science, Physical Education, Science and Social Work. It also offers 32 P G Courses, P G Diploma and Certificate Courses in the Faculties of Arts, Commerce and Management, Social Sciences, Science and Technology and Education.

ACADEMIC PROGRAMMES

Choice-based Credit System and Unique Curriculum

The University has adopted a unique curriculum offering a choice of vocational subjects of importance to women, who can choose one of them in each semester in addition to the core subjects. The subjects are as indicated below

Sl. No	Department	Course Offered	Semester
1	Women's Studies	Feminist Jurisprudence and Women'sHealth	First Second
2	English	English Language Proficiency	Second
3	Library and Information Science	Information Sources and Information Literacy	Second Third
4	Computer Science	Computer Concepts and C Programming	Second
5	Journalism and Mass Communication	Women and Media	Third
6	Social Work	NGO Management	Fourth
7	Economics	Human Resources Management	Third
8	Sociology	Contemporary Social Problems	Third
9	Kannada	Business Kannada	Third
10	Dr Ambedkar Study Center	Dr B R Ambedkar and Women	Third
11	Physical Education	Yoga Studies	Second/Third

Continuous Assessment

Students are assessed continuously throughout the semester by means of internal tests, seminars, assignments, group discussions and interactive participation in the classes.

Project Work

Project work is mandatory for all subjects during fourth semester. Project work can be either in the form of block placement or internship or industry in-plant programme or fieldwork or working on a approved research topic or assignment of relevance to their subject field.

A paper on "Personality Development"

A paper on Personality Development is made compulsory for all the final semester students to impart in them the basics of personality development, techniques, building the social image, and understanding the employers' requirements. This will help the students in developing their own personalities and make them employable.

Extra-curricular Activities

The University gives equal priority to co-curricular activities, which are conducted regularly. Every year Inter-Departmental competitions are held during the month of January/February. The University organizes "Intercollegiate Youth Festival" annually (preferably in the month of September/October) to enable the achievers to participate in South Zone and National Youth Festivals.

DEVELOPMENT ACTIVITIES UNDER RUSA

Akkamahadevi Women's University (Formerly: Karnataka State Women's University) Vijayapura was considered for RUSA funding in the second phase. The proposal was approved during the 9th PAB Meeting held on 1.12.2015. An amount of Rs. 20.00 crore was sanctioned under Component 3: infrastructure grants to universities. The first instalment of RUSA funding of Rs.9,90,00,000 was through RTGS on 26th March 2016.

The following new construction works, upgradation/renovation and creation of facilities or purchase of equipments was done using the RUSA funding.

Statement Showing The Expenditure detail of RUSA Grant

Sl. No.	Particulars	Allocation	Particulars	Amount	Balance
I	**New Constructions**				
	Classrooms :				
1	Dept. of Physical Education	11880000	Architect Consultancy for various Building	700000	
				5880000	
2	Dept. of Education	11880000		3093000	
3	Dept. of Electronics	14115000		4824000	
	Library :				
4	Library Building ground floor	18337000		5913000	
5	Library Building First floor	13788000		4590000	
		70000000		25000000	45000000
II	**Upgradation/ Renovation:**				
1	Library Science and Journalism & Mass Communication Building	2500000	Upgradation of L&IS & J&MC Building	1836917	663083
2	Chemistry Building	1248000	Upgradation of Chemistry Building	477250	770750
3	Old Admistrative Building	2000000	Upgradation of ADM Building	755198	1244802
4	Class Rooms	4000000		3983163	16837
5	IT Laboratory of Dept. of Library and Information	2500000	Equipment	2500000	0
6	Jnana Vahini Studio	2000000	Studio Materials	2000000	0

Sl. No.	Particulars	Allocation	Particulars	Amount	Balance
7	Language Laboratory for the Dept. of English	500000	Equipments	500000	0
8	Computer Science Laboratory	2500000	Computers	2500000	0
9	Bio-Informatics / Bio-technology Laboratory	2500000	Lab-Equipments Lab-Equipments	761572 1738428	0
10	Computer Centre	3000000	Equipments	3000000	0
11	WI-FI Enabling	5000000	Laying of Optical Fiber Cable	5000000	0
12	Cement Concrete drain work	834000		417000	417000
13	Cement Concrete road work	2865000		2564500	300500
14	Trench Work	487000		337920	149080
15	Car and Bike parking shed at Admistrative Building	4522000			4522000
16	Car and Bike parking shed at Social Science Building	4522000			4522000
17	Car and Bike parking shed at Library Science Building	4522000			4522000
18	Asphalting Roads	3000000	Improvements of Roads	2000000	0
				1000000	
19	Asphalting roads along with the Cross Drainage Work	2000000			2000000
20	Water Supply pumping machineries	1000000			1000000
21	Landscaping	5000000	Work of Gardening and Beautification of Campus	5000000	0
22	Playgound upgradation	13500000			13500000
		70000000		36371948	33628052
III	New Equipents /Facilities :				
1	Examination Management System	6000000	Desktops	4257815	1259536
				482649	
2	Video Conferencing	558000		471540	560
				85900	
3	Laptop for Each Teacher	3265000		3264170	830
4	ICT Cell Infrastructure	3000000	Computers	3000000	0

Sl. No.	Particulars	Allocation	Particulars	Amount	Balance
5	Computer Centre for Social Science Depts.	4000000	Equipments	4000000	0
6	Computer Centre for the dept. of Commerece and Management	3000000	Equipments	3000000	0
7	Library	1177000	Equipments	1177000	
8	Botany Laboratory	2500000			2500000
9	Chemistry Laboratory	2500000			2500000
10	Pharmaceutical Chemistry Laboratory	2500000	Lab-Equipments	99043	2260122
			Electronic Balance	43510	
			Lab-Equipments	97325	
11	Zoology Laboratory	2500000			2500000
12	Electronics Laboratory	1000000	Equipments	363502	17051
			Equipments	619447	
13	Computer Center for the Dept. of J&MC	500000	Desktops	500000	0
14	Language Laboratory for the Dept. of Kannada	2000000	Equipments	2000000	0
15	Music Instruments for the Dept. of Center of Performing Arts	500000	Music Instruments	499020	980
16	Laboratory for the Dept. of Physical Education	500000	Sports Materials	500000	0
17	Laboratory for the Dept. of Education	500000	Equipments	500000	0
		36000000		24960921	11039079
18	Reference Books	5000000		207423 386477 62004 101765 249008 196748 232080 60320 10800 353116 174039 970353 352895 660	

Sl. No.	Particulars	Allocation	Particulars	Amount	Balance
				880	
				141072	
				214970	
				228464	
				224052	
				114914	
				717960	
		5000000		5000000	0
19	E-Resources	5000000		114568	
				220669	
				18168	
				206307	
				135075	
				48110	
				22387	
				8320	
				1448721	
				1614459	
				1076637	
		5000000		4913421	86579
20	DDC and UDC Schedules and Other learning resources	1500000		105132	0
				1154851	
		1500000		1259983	240017
21	Classic Theories Books for all Depts.	4000000		504196	
				969115	
				278407	
				27464	
				33000	
				43117	
				882623	
		4000000		2737922	1262078
22	Other Facilities - Green House	8500000	Lab-Equipment	1820000	6680000
		60000000		40692247	19307753
		200000000		102064195	97935805

ENGINEERING DEPARTMENT- PROGRESS REPORT OF RUSA WORKS.

Component I. New Constructions.

Sl. No.	Name of Building	Estimate Cost	Name of Agency	Date of Commen-cement	Period Allotted	Expected Date of Completion	Payments Made	Remarks
Classrooms								
01	Dept. of Physical Education	Rs.118.80 Lakhs	M/s KRIDL, Vijayapura	25/03/2017	12 Months including rainy season	31/03/2018	Rs.58.80 Lakhs	Column concreting work is completed. Slab shuttering work is in progress.
02	Dept. of Education	Rs.118.80 Lakhs	M/s KRIDL, Vijayapura	25/03/2017	12 Months including rainy season	31/03/2018	Rs.30.93 Lakhs	Part of slab concreting is completed. Plastering work is in progress.
03	Dept. of Electronics	Rs.141.15 Lakhs	M/s KRIDL, Vijayapura	25/03/2017	12 Months including rainy season	31/03/2018	Rs.48.24 Lakhs	Ground floor column concreting & BBM work is completed. Slab shuttering work is in progress.
Library								
04	Library Building Ground Floor	Rs.183.37 Lakhs	M/s KRIDL, Vijayapura	25/03/2017	12 Months including rainy season	31/03/2018	Rs.59.13 Lakhs	Column concreting is completed. BBM work is in progress.
05	Library Building First Floor	Rs.137.88 Lakhs	M/s KRIDL, Vijayapura	25/03/2017	12 Months including rainy season	31/03/2018	Rs.45.90 Lakhs	Column concreting work is in progress.

Component II. Up gradation & Renovation.

Sl. No.	Name of Building	Estimate Cost	Name of Agency	Date of Commen-cement	Period Allotted	Expected Date of Completion	Payments Made	Remarks
Academic Buildings								
01	Library Science & Journalism	Rs.25.00 Lakhs	Shri.R.K. Dalawai, PWD Class I Contractor, Vijayapura	23/01/2017	45 Days including rainy season	06/03/2017	Rs.16.85 Lakhs	The work is completed.
02	Chemistry building	Rs.12.48 Lakhs	Shri.R.K. Dalawai, PWD Class I Contractor, Vijayapura	23/01/2017	45 Days including rainy season	06/03/2017	Rs.8.36 Lakhs	The work is completed.

Sl. No.	Name of Building	Estimate Cost	Name of Agency	Date of Commen-cement	Period Allotted	Expected Date of Completion	Payments Made	Remarks
03	Old Administrative Building	Rs.20.00 Lakhs	Shri.R.K. Dalawai, PWD Class I Contractor, Vijayapura	23/01/2017	45 Days including rainy season	06/03/2017	Rs.10.42 Lakhs	The work is completed.
04	Car & Bike Parking Shed @ Social Science Building	Rs.45.22 Lakhs	M/s KRIDL, Vijayapura	18/11/2017	4 Months including rainy season	31/03/2018 (Expected)	---	Work is in progress.
05	Class Rooms	Rs.40.00 Lakhs	Edutrade Jamkhandi	KYAN All in one device installed				Work is Completed
06	IT Laboratory of Dept. of Library and Information	Rs.25.00 Lakhs	Vedant Office AutoMation & Classic Interior	Furniture, Computers and Other Equipments Installed				Work is Completed
07	Language Laboratory for the English Dept	Rs.5.00 Lakhs	Biyani Technology Kolhapur	Language Lab Software Installed				Work is Completed
08	Computer Science Laboratory	Rs.25.00 Lakhs	Pentagone Hubli	Desktop computers, keyboard, CPU projector purchase for computer Science dept				Work is Completed
09	Bio-Informatics/ Bio-Technology Laboratory	Rs.25.00 Lakhs	Novel Tech	1.Real Time PCR 2. SDS-PAGE Electrophoresis 3.HPLC Column IC 18 4. Digital Electronic Balance 5. Inverted Microscope				Work is Completed
10	Computer Center	Rs.30.00 Lakhs	Pentagon Hubli	Purchase of Dell Higher End Desktop computers for computer Centre				Work is Completed
11	Wi-fi enabling	Rs.50.00 Lakhs	Renuka Electricals	laying of Optical Fiber Cable for WiFi enabling at Jannan Shakti Campus				Work is Completed
12	Cement Concrete Drain Work	Rs.8.34 Lakhs	M/s KRIDL, Vijayapura	---				Work is Completed
13	Cement Concrete road work	Rs.28.65 Lakhs	M/s KRIDL, Vijayapura	---				Work is Completed
14	Trench Work	Rs.4.87 Lakhs	M/s KRIDL, Vijayapura	---				Work is Completed
15	Asphalting Roads	Rs.30.00 Lakhs	M/s KRIDL, Vijayapura	---				Work is Completed
16	Asphalting roads along with the cross drainage work	Rs.20.00 Lakhs	M/s KRIDL, Vijayapura	---				Work is Completed

Sl. No.	Name of Building	Estimate Cost	Name of Agency	Date of Commen-cement	Period Allotted	Expected Date of Completion	Payments Made	Remarks
17	Water Supply Pumping Machineries	Rs.10.00 Lakhs	Tender work Under Progress					Expected Date of Completion 31-03-2018
18	Landscaping	Rs.50.00 Lakhs	M/s KRIDL, Vijayapura	---				Work is Completed
19	Playground upgradation	Rs.135.00 Lakhs	Tender work Under Progress					Expected Date of Completion 31-03-2018

Component III New Equipments/Facilities.

Sl. No.	Name of Building	Estimate Cost	Name of Agency	Date of Commen-cement	Period Allotted	Expected Date of Completion	Payments Made	Remarks
01	Examination Management System	Rs.60.00 Lakhs	Vedant Office Automation	Examination automation system related, rack server, Lipi Printer &answer script valuation Scanner , color scanner installed				Work is Completed
02	Video Conferencing	Rs.5.58 Lakhs	N K Office Gulbarga	Video conference equipment's installed				Work is Completed
03	Laptop for each teacher	Rs.32.65 Lakhs	N K Office Gulbarga	Laptops Purchase for the all teacher				Work is Completed
04	ICT Cell Infrastructure	Rs.30.00 Lakhs	Vedant Office Automation	Computers Purchase and Installed				Work is Completed
05	Computer Center for Social Science Depts.	Rs.40.00 Lakhs	Vedant Office Automation & Classic Interior	Furniture, Computers and Other Equipments Installed				Work is Completed
06	Computer Center for the dept. of Commerce & Management	Rs.30.00	Vedant Office Automation & Classic Interior	Furniture, Computers and Other Equipments Installed				Work is Completed
07	Library	Rs.11.77 Lakhs	Vedant Office Automation & Classic Interior	Furniture, Computers and Other Equipments Installed				Work is Completed
08	Botany Laboratory	Rs.25.00 Lakhs	Tender work Under Progress					Expected Date of Completion 31-03-2018
09	Chemistry Laboratory	Rs.25.00 Lakhs	Agilent Technology	Lab Equipments Purchase and Installation Work is Under progress				Expected Date of Completion 31-03-2018
10	Pharmaceutical Chemistry Laboratory	Rs.25.00 Lakhs	Sylus Laboratory	Lab- Equipments Installed				Work is Completed
11	Zoology Laboratory	Rs.25.00 Lakhs	Tender work Under Progress					Expected Date of Completion 31-03-2018

Development Activities under RUSA

Sl. No.	Name of Building	Estimate Cost	Name of Agency	Date of Commen-cement	Period Allotted	Expected Date of Completion	Payments Made	Remarks
12	Electronics Laboratory	Rs.10.00 Lakhs	Silicon Micro system Bangalore	Desktop Computers and Laboratory equipments such as Embedded System kits, FPGA kits, Communication kits, Digital IC trainer kits				Work is Completed
13	Computer Center for the dept. of J&MC & Jnana-Vahini	Rs.25.00 Lakhs	Pentagone Hubli & Sistronics India Limited	Desktop & Purchase of Multimedia equipment for Dept. of JMC				Work is Completed
14	Language Laboratory for the dept. of Kannada	Rs.20.00 Lakhs	Vedant Office Automation & Classic Interior & Biyani Technology	Furniture, Computers and Other Equipments & Language Software Installed				Work is Completed
15	Music instruments for the dept. of Center of performing Arts.	Rs.5.00 Lakhs	Bijapur Dist. Industrial Supply and Marketing Co. Op Society, Vijayapura	Art & musical equipment's provided for the Music Dept.				Work is Completed
16	Laboratory for the dept. of Education	Rs.5.00 Lakhs	Vedant Office Automation	Lab Equipments (Desktop)				Work is Completed
17	Reference Books	Rs.50.00 Lakhs						Work is Completed
18	E-Resources	Rs.50.00 Lakhs						Work is Completed
19	DDC and UDC schedules and other learning resources	Rs.15.00 Lakhs		Books Purchase				Work is Completed
20	E-content Development	Rs.40.00 Lakhs						Work is Completed
21	Other Facilities-Green House	Rs.40.00 Lakhs	Sri Sai Samarth Irrigators	Green House Work Under Progress				Expected Date of Completion 31-03-2018

Renovation of old ADM Building

Renovation of MLISC and JMC Building

Development Activities under RUSA

Construction of CC Road

Development of internal roads

Asphalting road along with the cross drainage work near Social Science Block

Car and Bike Parking Shed

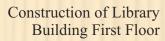Building construction of Dept. of Physical Education

Building construction of Dept. of Electronics

Construction of Library Ground Floor

Construction of Library Building First Floor

INFORMATION AND COMMUNICATION TECHNOLOGY CELL (ICT)

Name of the work: Server and Network Lab Setup

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	WIRELESS ACCESS POINT FOR INDOOR FOR ALL DEPARTMENT Cisco Aironet 3700 Series Access Points	80 set	It provides Wi-Fi access to the Indoor users up to 20 metre range	Akkamahadevi Women's University, Information and Communication Technology Cell installed with High end Technological devices in its newly established lab. All the Buildings in the University campus are connected with Fibre optic cable for the Fasted access of the Internet. The 1GBPS line is now available for every department and now each department is accessing more than 10 times faster Internet connection than the previous modem based connection. There is no maintenance problem as network is having dedicated optic fibre only for the Internet. Now university is fully Wi-Fi enabled, all the users within the campus can access the Internet through Wi-Fi facility. The university is having dedicated High End server for the centralized accessing of the Internet and Wi-Fi, also its having Firewall for protection and restricting the unauthorised access. The bifurcation of the Wi-Fi users on the basis of Grade as Faculty, Officers, Management, Guest, Syndicate members, Non-Teaching, Students. The centralized cold room is set for keeping the all the devises in a proper condition and supported by 10KV UPS power backup. Dedicated IP Address is given to Library for the Digital Library to access the Inflibnet and Shodhaganga material and also
2.	WIRELESS ACCESS POINT FOR OUTDOOR OPEN AREA Cisco Aironet 1570 Series Outdoor Access Point	10 set	It provides Wi-Fi access to the outdoor users within the university campus.	
3.	UPS and electrical	10 kv	UPS provides constant output voltage. There is a frequent power cuts in vijayapur and UPS is helping us to maintain constant voltage to many high end equipments.	
4.	WIRELESS CONTROLLER, IT SUPPORTS UPTO 500 ACCESS POINT Cisco 5508 Series Wireless Controllers	1set	All the Indoor and outdoor access points are managed by wireless controller	
5.	FIREWALL 4000 USERS Cisco ASA 5545-X w/ Firepower Services	1 set	A firewall is a network security device that monitors incoming and outgoing network data Firewalls prevent unauthorized Internet users from accessing Internet, also block unauthorised websites access.	
6.	CORE SWITCHES Cisco Catalyst WS C4507R+E	1 set	A core switch is a high-capacity switch generally positioned within the backbone or physical core of a network. Core switches serve as the gateway to a wide area network (WAN) or the Internet - they provide the final aggregation point for the network and allow multiple aggregation modules to work together.	
7.	TRANSCEIVER MODULE (SM)Cisco GLC LH-SMD	50 Nos	A transceiver module is a group of transceivers comprising both a transmitter and a receiver which are combined and share	

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
			common circuitry or a single housing. When no circuitry is common between transmit and receive functions, the device is a transmitter-receiver.	downloading research articles and other materials. Video conference facility has been setup in the campus (Syndicate Hall) and dedicated IP is given to communicate with the Government, Higher Education Department through this video conference facility. Dedicated IP is also given to the Journalism and mass communication department Media centre to access high speed Internet for live stream purpose, and social media.
8.	SERVERCISCO -C240-M4S2	1 Set	A network server is a computer system, which is used as the central repository of data and various programs that are shared by users in a network. (16 TB HD, 128 GB RAM)	
9.	Lenovo Desktop Computer	5 Nos	8 GB RAM, 1 TB HD, i7 Processor	RUSA fund helped a lot in upgrading the IT and network infrastructure of the entire university campus.

Name of Work : LAYING OF OPTICAL FIBER CABLE AT KSWU CAMPUS,BIJAPUR (PASSIVE)

10	Digging of trench of 0.6m deep x 0.50 mitre wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)- In soil (hard)	5100Mtr
11	Supply and laying double walled corrugated (DWC) HDPE Pipe including all necessary connecting Sockets/Couplings/Tees/Bends/End-caps of same materials in existing trench as per IS 14930 part -II suitable for drawing underground cables. -50mm OD / 38mm ID (Bangalore Electrical 2014-15 Pno:63 Ino:7.20.2)	5200 Mtr
12	Constructing brick masonry Inspection Chamber as per the Directions of Site Engineer	45 each
13	Supply & Laying of 24 Core(24F) outdoor Armoured fibre Optic (SM) Cable with all necessary accessories as per the Directions of Site Engineer (Data Rate)	7500 mtr
14	Supply & Installation of RCC Cable route marker with all necessary accessories (Data Rate)	40 Each
15	Supplying & Fixing of switch mounting rack with power manager & Cable manager. -12U with 450mm depth(Bangalore Electrical 2014-15 Pno:85 Ino:11.4.3)	35 Each
16	Supplying & Fixing of switch mounting rack with power manager & Cable manager. -42U with 800mm depth(Bangalore Electrical 2014-15 Pno:85 Ino:11.4.10)	2 Each
17	Supplying & Fixing of Power strip (Bangalore Electrical 2014-15 Pno:85 Ino:11.5)	39 Each
18	Supplying of shelf (Bangalore Electrical 2014-15 Pno:85 Ino:11.6)	45 Each
19	Supplying & Fixing of Fan (Bangalore Electrical 2014-15 Pno:85 Ino:11.8)	37 Each

Development Activities under RUSA

Development Activities under RUSA

20	Supplying & Fixing of castor wheels to shelf (Set of 4)(Bangalore Electrical 2014-15 Pno:85 Ino:11.7)	2 Each
21	Supplying & Fixing of Patch panel for LAN cabling-24 Port 10/100/1000 patch panel (Bangalore Electrical 2014-15 Pno:86 Ino:11.12.5)	11 Each
22	Supplying and Fixing of 48 Port LIU coupler in the Rack.(Data Rate)	2 Each
23	Supplying and Fixing of 24 Port LIU coupler in the Rack. as Per directions of Site Engineer (Data Rate)	52 Each
24	Supplying and Fixing of OFC (SM) patch chords as Per directions of Site Engineer (Data Rate)	72 Each
25	Supplying ,Fixing and Configuration of L2 Managble Gigabyte Switch of 24 Ports as Per directions of Site Engineer (Data Rate)	2 Each
26	Termination, Labelling and Splicing of Optical fibre of as Per directions of Site Engineer (data Rate)	450 Each
27	Supplying fixing of Network Switches-24 Port Gigabyte (manageable)(Bangalore Electrical 2014-15 Pno:85 Ino:11.9.2)	1 Each
28	10Port Gigabyte (manageable)(Bangalore Electrical 2014-15 Pno:85 Ino:11.9.3)	23 Each
29	Supplying & Fixing of …metres Cat6 Patch Cable-1mtr (Bangalore Electrical 2014-15 Pno:86 Ino:11.11.1)	25 Each
30	applying& Fixing of Patch panel for LAN cabling-24 Port 10/100/1000 patch panel (Bangalore Electrical 2014-15 Pno:86 Ino:11.12.5)	1 Each
31	Supplying and drawing UTP-CAT 6E LAN cable. (Bangalore Electrical 2014-15 Pno:85 Ino:11.1)	14600 mtr
32	Supplying, erecting, testing & commissioning of ON-LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with all accessories complete and Excluding batteries and wiring complete.-5KVA ON LINE UPS three Hour back up Excluding batteries(Data Rate)	1 Each
33	Supplying, installation, testing & commissioning of 12V DC, AH batteries in poly propylene container for U.P.S. Low maintenance Tubular batteries.-12 V ,100 AH capacity Acid Battery (Bangalore Electrical 2014-15 Pno:89 Ino:12.4.4)	16 Each
34	Supplying and Fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm…etc as required. -20 mm (Bangalore Electrical 2014-15 Pno:03 Ino:1.8.1)	8000 mtr
35	Supplying and Fixing of SC-SC Duplex OFC Cables as per the directions of Site Engineer	260 Each
36	Supplying and Fixing of Giga byte 5000 metres SFP 1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM Modules for fibre switch as per the directions of site engineer	75 Each

Best practices of the ICT cell

1)   The entire campus is Wi-Fi enabled with 24x7 access.
2)   Social Media features are made available in University Website.
3)   The entire campus is covered with OFC.
4)   All the departments are made available with 1Gbps high speed internet line.

Feed Back of the Stake holders (Students and Teachers)

Students:

Pratiksha Rathod, 5th semester MCA

Our ICT Lab we are now receiving the high speed Wi-Fi to our Mobile all over the campus and after the working ours I can still access the Wi-Fi in my PG Hostel (24/7)

Rashmi Somshekhar, Research scholar,

I am able to access high speed Internet in the Digital Lab of Library and can access the e-Journals, e-books, databases & I can download research articles easily.

Teachers:

Dr. Babu Lamani, Asst. Professor

After setting up of the ICT Lab and upgrading the network our Labs are getting the Faster Internet and Wi-Fi also to our Laptop and Phones. Which is helpful for work and research activities and to our students

Dr. Gavisiddappa Anandhalli, Asst. Professor

With availability of the Wi-Fi and high speed internet, it's very much helpful for the students specially students doing the final semester projects and accessing the information available in the E-Journals and others.

WiFi Signal Instrument
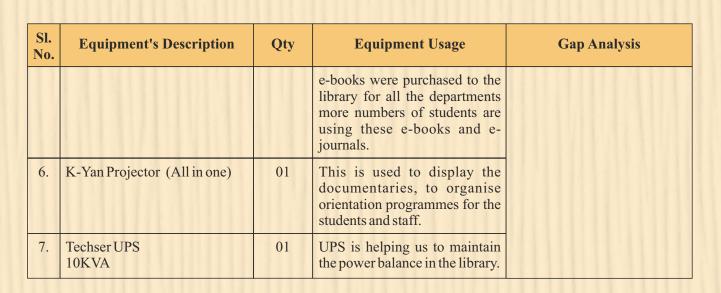

WiFi Sever

Wifi Router

WiFi Switcher

LIBRARY

Name of the works: DDC,UDC,RDA, EAUIPMENTS, BOOKS, E-BOOKS, REFERENCES,CLASSICS BOOKS PURCHASED UNDER RUSA GRANT

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	DDC,UDC & RDA DDC UDC RDA Text Books	20 set (80 volumes) 10 set (20 volumes) 01 set (11 volumes) 61 (Volumes)	These are learning resources for the students of library and information science. These are issued to the department and all students are using these resources	Central Library A.W.U is the centre place for providing information to the staff, students and research scholars as its stake holders. Library provides all types of resources like, Text Books, Reference Books, Classic Books, e-books, e-journals, Periodicals print and online for all the stake holders for teaching, learning and research purpose. RUSA fund given the opportunity to up-gradation of the existing library with more facilities and resources for the staff, students and research scholars of the university in their teaching and learning process.
2.	HP Computers Processor: 4th Generation Intel Core TM i7 - 4570 Processor(Quad Core 6M Cache, up to 3.60 GHz) Memory: 8GB (2X2GB) 2GHz DDR3 Non-ECC Hard Drive: 1 TB 3.5 inch Serial ATA (7.200 Rpm) Hard Drive Video Card: Intel Integrated Graphics Optical Drive: DVD Writer Multi-Layer	10	This PC's purchased for the up gradation of digital library system in the central library of the university. Students of all departments are using this facility to access internet, e-books, e-Journals, e-learning materials. Earlier 15 computers are there and it is upgraded to with these 10 at time	
3.	Reference & Text Books		These are general reference and text books for all departments. These are resources which gives additional information for the students of all departments	
4.	Classic Books		Classic books are basic information sources available in the library. These are useful for reference and to know the fundamentals and rare information.	
5.	e-Books 1.Sage : 120 e-books 2.McGraw Hill : 201 e-books 3.Mint : 500 e-books 4.Ebsco : 24 e-books	845	Library established digital library system with good numbers of computer and internet facility to provide digital library/online library service e-books and e-journals are very much required so 845	

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
			e-books were purchased to the library for all the departments more numbers of students are using these e-books and e-journals.	
6.	K-Yan Projector (All in one)	01	This is used to display the documentaries, to organise orientation programmes for the students and staff.	
7.	Techser UPS 10KVA	01	UPS is helping us to maintain the power balance in the library.	

Feed Back of the Stake holders (Students and Teachers)

Students:

Neelamma S.W Dept of Botany:

The library has provided good facility for us I am using all resources available in the library. Especially the resource which are helping for higher competitive exams. The reference of K-SET, NET, UPSC and KPSC are very much helping to me. Internet facility also providing in the library.Digital library provides e-resources like e-books, e-journals to update and enrich my knowledge and it also helps me to know current updates of job opportunity etc.

ShivaleelaSalimath Research Scholar Dept. of Management

I am very happy to express my opinion about library. Here we are getting lot of information in all the fields. Here staff fully supported to the students. lakh of books available which require to not only P.G. students but all the scholars and teaching staff.
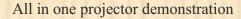
Teachers:

Pushpa D Marad Guest Faculty Dept. of Library and Information Science

Library have well collection and sufficient time for users its providing e-journal and e-books those help as a lot. It subscribed good journals and magazines.

Online Books and Journals accessing by students

All in one projector demonstration

Library book searching

Library book searching

DEPARTMENT OF STUDIES IN PHYSICAL EDUCATION AND SPORTS SCIENCES

Name of the work: New Equipments Purchase

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Back-Leg Chest Dynamometer	01	These instruments which were purchased under RUSA Grants are very helpful to all PG students and research scholar of this department. Many scholars are pursuing experimental research for that, these instruments are very much beneficial for the scholars in conducting pre and post tests. As we are running BPEd/MPEd courses number of teachers and students are making use of these instruments for preparing dissertation as well as experimental articles. These sophisticated instruments are very much useful in drawing the accuracy in experimental research such as measuring flexibility, strength, fat, vital capacity, height, weight, back strength, leg strength, blood pressure, etc..	Akkamahadevi Women's University, Department of Studies in Physical Education and Sports Sciences one of the best departments in imparting physical education courses in state of Karnataka. The department is well established with 400mts track and field, Volley Ball Court, Basketball Court, Handball Court, Football field, Cricket ground and other indoor games facilities. RUSA fund helped the department in upgrading and purchase to lab instruments which were used by all the scholars and teachers of the department.
2.	Harpenden Skin Fold Calliper	01		
3.	Melkoten Goniometer (Folding)	01		
4.	Portable Stadiometer	01		
5.	Sit and Reach Trunk Flexibility Test	01		
6.	Polar Heart Rate Monitor	01		
7.	3-Joint Type Goniometer	01		
8.	(a) Lactate Analyser only with Carry Case	01		
	(b) Strips for Lactate Analyser (75 tests)	03 (Packs)		
9.	Digital Display BP Monitor	01		
10.	Buhl Spirometer	01		
11.	Bubble Inclinometer	01		
12.	Finger Tip Pulse Oximeter	01		
13.	Finger Dexterity Board	01		
14.	Accu-Angle Inclinometer	01		
15.	Skin Fold Calliper	01		
16.	Extendable Goniometer with Magnifer	01		
17.	Six Piece Goniometer Set-in a Padded Carrying Case	01		

Feedback of the Stake holders (Students and Teachers)

Students:

Chennama D Chilamur:

I am pursuing Ph.D on "Effect of Callisthenic Exercises, Yogasanas and Aerobic Exercise on Physical and Physiological Variables of Primary School Childrens" All the above mentioned instruments are very much useful to conduct pre and post test of my subject. These instruments were latest and sophisticated in getting the accuracy of my data.

Jyoti Awati:

I am pursuing Ph.D on "Influence of Anthropometric, Physical Training on Physical, Physiological Variables to Skill Performance of Hockey Players" All the above mentioned instruments were not available in our department we have to visit nabouring universities for the hiring of various instruments for our research purpose which was very expensive for us but the department has purchased all the instruments under RUSA Grants were very much useful to do the research.

Savita Rathod:

I completed my BPEd from this university and pursuing my MPEd. As compared to my BPEd experience in MPEd, we had scientific subjects such as Exercise Physiology, Biomechanics, Test Measurement and Evaluation. We need to do more of practical's hence the department is well equipped with lab facility.

Dr. Rajkumar P Malipatil:

As the faculty of this department I am very grateful to the University for providing RUSA funds for the purchase of lab instruments. As the courses having more of experimental and practical classes it is necessary to measure the performance of subjects. All the instruments are very much helpful in conducting the research activity in the department.

Physical Education Dept. New Equipments

Development Activities under RUSA

Development Activities under RUSA

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Name of the work: Up gradation of Class Rooms

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	All in one	1	Used in teaching learning process	The facilities available in the system helps to overcome the lacuna of earlier machines and promotes the blended teaching learning process

IT Laboratory of

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Computers	15	Used for Practicum by the students. The MLISC program has ICT components in each semester from basic to digital library practices. In addition to Practicum the systems are also used for Computer Aided Instruction. Students also prepare their notes through the systems and use Internet using these systems.	The earlier systems were Intel Core 2 model purchased in 2008. Many of them were outdated and could not be upgraded to use them for Digital Library Practices and also for other advanced components. With this now the laboratory can claim that it is state of the art laboratory with latest systems
2.	Head Phones	15	Students are encouraged to use them to listen to educational videos available on You-tube, IGNOU and UGC e-pathashala	Since these were not available all students used to listen to one single program at a time. Now each individual can listen to the programs of their choice
3.	UPS 10 KV	1	Helping us to maintain the power balance to many high end equipments	The number of systems available and the capacity of UPS earlier were not matching resulting in under-utilization of equipments. Now that gap is filled
4.	Quick Heal Antivirus	5	Helping us to maintain virus free systems	Since the period of few antivirus software expired, it had become little difficult to maintain the systems. With Quick Heal antivirus now the gap is fulfilled
5.	Project Screen	2	Used for projection of video lectures, PPTs and documentaries	Earlier it was projected on bare wall and finding bit difficulty in maintaining colour contrast. Now this gap is filled

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
6.	External Hard Disk 2TB	1	Used as data storage device	The useful and required data of high importance was stored earlier using different devices. Since this storage device is made available all required data can be stored at one place.
7.	A/C	4	Used to maintain temperature in the IT laboratory to provide climate comfortless to the students who spend four to six hours a day in the laboratory	Since this place is very hot it becomes very difficult to overcome the uncomfortness due to weather. Fans cannot suffice. Now the gap is filled
8.	E-podium	1	Used for day to day teaching-learning to provide digital classroom environment	Using the old podiums many components of e-learning could not be offered. Now the same is filled
9.	Colour Photocopy Machine	1	Used to photocopy the materials that are available in colours only	Many times to get colour Xerox, service providers in the city who are available at a distance of 15KM have to be depended. Now this gap is filled
10.	Digital Camera	1	Helps in documenting the activities of the department and also training the students to use such equipments in creating digital objects	Necessity of hiring services from commercial photographer is removed
11.	Handy Cam	1	Helps in documenting the activities of the department and also recording the lectures and events conducted in the department	Necessity of hiring services from commercial Videographer is removed

New equipments/Facilities : DDC, UDC Schedules and other learning materials

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	DDC 23rd Ed	72	Used for practicum	The practical's were conducted earlier using DDC 21st edition which are outdated now and as such students were not exposed to the latest. With this students will get more updated knowledge to classify the UOS
2.	Sears List of Subject Headings	20		Helps in deriving subject headings

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
3.	UDC	16	Used for practicum	The practical's were conducted earlier using DDC 21st edition which are outdated now and as such students were not exposed to the latest. With this students will get more updated knowledge to classify the UOS
4.	RDA	10	Used for practicum	AACR2R is now closed and in its place RDA is being followed to catalogue the resources. Hence with RDA this gap is filled

Feed Back of the Stake holders (Students and Teachers)

Students:

Sunita Adiveppa:

presently I am in 3rd semester and with the upgradation of IT laboratory I have got a huge opportunity to learn ICT components used in libraries. The facilities help me to learn library automation concepts, digital library software etc and make me more employable.

Laxmi Gudimani:

The newly created facilities particularly new edition DDC and UDC are helping us to classify the books and get the latest knowledge in Classification.

Teachers:

Dr. Neela :

The facilities created are helping us to provide technology embedded teaching to students and thereby we are also developing the skills and competencies in IT environment

Ms. Sridevi Sindagi:

Since the up-gradation of IT laboratory I have been able to learn the basic of IT and forge into the LIS curriculum. Both individually and together we are able to hover our skills and we are not limited to just print media now, these news facilities are making me more confident.

Library and Information Dept. Computer Lab

DEPT. OF JOURNALISM AND MASS COMMUNICATION

Name of the work: Studio and Multi Media Lab Upgradation

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Camcorder : Rechargeable battery pack, Battery charger; 32 GB appropriate memory card with reader ; Camera caring case, Tripod- Lapel mike; Hand held wired mike with cable	3	Camcorders are using to teach the students about camera operations. These cameras are full HD version. As they are handy it is safe to use outside and gain practical knowledge on the functions of the camera. These cameras are high ended and widely used in all most all the leading News Channels.	Akkamahadevi Women's University, Department of Journalism and Mass Communication houses one of the most high tech studio in the state of Karnataka. Furthermore under the RUSA aid the studio was able to procure new 4K Video cameras, advanced video-audio editing suite, switchers, MAC lab etc.
2.	21.5 inch IMAC with Capturing and playout hardware with Final Cut Pro X softwares	6	Video Editing Lab established under RUSA fund is a high-tech Lab in the department of Journalism and Mass Communication. Apple IMAC with FCP and playoutare helping the students to learn all the editing techniques and nuisances of the video editing techniques which are followed today in many news channels and films.	This has opened up new opportunities for both students and teachers alike. Students are exposed to industry grade equipments and hands on practical experience, while teachers get to be innovative with the help of these improvised technologies.
3.	UPS and electrical	1	UPS is the most important thing and is helping us the maximum as power cuts are so frequent in Vijayapura and the UPS is helping us to maintain the power balance to many high end equipments.	One of the major issues in today's media education is that making the students job ready. High end technology such as online editing suite, FCP software, high quality television, camcorders and film cameras are helping the students, they have a got chance now to learn the function and operation of these high end technology being used in the field presently.
4.	TV	1	Highly used to screen documentaries and show news to students so that they stay tuned in to the happenings.	
5.	Outdoor recorder and Outdoor Online set up switcher	1+1	Online set up and outdoor setup is highly used in the news channels for live programmes. By this our students are learning how to create and broadcast live programmes and bring out our own channel.	RUSA fund helped a lot in upgrading the technology in our studio which is widely used in leading news channels. Now our studio is far with leading news channels.

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
6.	Training of Edit Suits		Training from the professionals is making our students and teachers to upgrade themselves on the finest editing software which will help them in being top most on the job.	
7.	Cables and Connectors		High end cables are making sure that the quality of the content produced is high and no disturbances.	

Feed Back of the Stake holders (Students and Teachers)

Students:

Shrusti Javalkar:

presently I am in 3rd semester and with the upgrading of our media studio I have got a huge opportunity to learn so much, technology being used in thee news channels right now. Things like FCP online editing camcorders x70 cameras are not unknown to me. Which is a positive for me over other university students.

Sushma Nayak:

I am first sem student and I am able to use such high technology equipment such as Sony x70, blaze software, NRCS, online editing suites n much more which is fully helping me to be digitally savvy and the training will help in getting a better job.

Teachers:

Dr.Tahmeena Kolar:

Since the set up and up gradation of studio I have been able to learn the basic of electronic media and forge into mainstream of the same. Both individually and together we are able to hover our skills and we are not limited to just print media now, these news facilities are making me more confident.

Ms. Abhilasha R:

Basically I am from Electronic media and pursuing my phd here. Looking at such great studio is a pleasure to me. The training being provided by the source companies are helping me grow professionally and even helping the students to conquer electronic media once they go out. The training component for FCP for example is very important to both teachers and students as it is vogue right now. The original software has so much more potential and our creativity is ever expanding.

Dept of Journalism and Mass Communication- Digital Communication Lab

DEPT. OF SOCIOLOGY

Name of the work: Computer Lab

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Computers:	15	Upgrade teaching techniques. To provide data on various subjects in curriculum.	The help to provide innovative method of teaching to update existing knowledge.
2.	LCD Projector	6	Useful for PPT presentation for the teachers and students. Pictorial presentation helps students to understand the subject easily. Students scan upgrade their quality of learning.	The Wi-Fi connection to students and staff keep informed them about the happenings of the society and improve interaction among them.
3.	UPS and electrical	1	It provides unbreakable power supply to the classrooms and lab.	Provide knowledge about various competitive exams like NET,SET,IAS,KAS.
4.	Air Conditioners	1+1	Reduce tiredness and keep fresh to work.	Provide knowledge about schemes introduced at national and international level.

Helped to improve the teaching the learning process. |

Feed Back of the Stake Holders (Students and Teachers)

STUDENTS:

Ashwini , student 3rd Semester
- It helped to gain knowledge about the various subject thought in the classroom.
- Able to know the transformation in the society and the new challenges society facing.
- ·Helpful for knowing rural, urban, tribal communities throughout the world in general and India in the particular.
- To know about transformations in the institution like family, marriage such as single member family, living relationship matrimonial institutions like shaadi.com.
- Useful to PPT presentation for seminars which is the part of internal assessment.

TEACHERS:

Dr. Tejeshwari .S. Koregol , Guest Faculty

- Searching information regarding the subjects such as Tribal communities, Demography & Globalisation etc.
- We can purchase useful books through online.

- It is helpful for preparing the National & International conference or Seminar paper.
- It helps to improve teaching skills.
- It helps to gain the knowledge in the broad sence.
- Update census reports.
- It is useful to deliver the lecture through PPT presentation in the class room.

SCHOLAR:

Triveni Pol , Research Scholar

- We are able to get knowledge about government schemes for social welfares. Ex: Swaccha Bharat Abhiyan etc.
- Helps to know about job opportunities.
- It is helpful for prepare for competitive exams like NET, SLET, JRF and also get in time immediate information regarding ICSSR,RGNF,PDF etc.
- We are able to study the Ph.D thesis of universities across India with the help of Shodh Ganga website.
- It helps to adopt innovative methodology to sociological research, got statistic and data for seminars, paper presentation, and publication of research articles in reputed journals.
- It helps to gain information of census reports, various government and non government reports, world bank, UN reports, KHDR,HDR reports. to strengthen the quality of research.

Sociology Dept Computer Lab

Dept. of AHALYABAI POST GRADUATE CENTRE FOR WOMEN'S STUDIES, RESEARCH AND EXTENTION

Computer Lab

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Computers:	15	Upgrade teaching techniques. To provide data on various subjects in curriculum.	Help to provide innovative method of teaching and update existing knowledge.
2.	Projector (all in one)	1	It upgrade students learning skills. Internet facility helps to get information easily. Useful for presentations of the research papers for teachers and research scholars.	The Wi-Fi connection helps research scholars, students and staff to keep social net work and also gather the information what is happening arounds the world.
3.	UPS and electrical	1	Continuous supply of power helps to use computers in class room as well as in the lab.	Provide knowledge about various competitive exams like NET,SET,IAS,KAS, Bank and other exams.
4.	Air Conditioners	1+1	It helps in summer to work and keeps lab cool.	Provide knowledge about schemes introduced at State, National and International level. Help to improve the teaching and learning.

Feed Back of the Stake Holders (Students and Teachers)

STUDENTS:

Rashmi Girganvi, Student, 1st Semester

- As a Women's Study student lab has helped me in studying about the emerging problems towards women all around the world.
- Helps to study and gain knowledge on recent trends on the subjects either it may be women's education, feminism or feminist Jurisprudence.
- Also helps to acquire the knowledge on challenges and problems faced by rural, urban and tribal community women.
- Paper presentation is useful part of internal assessment where it helps to access the information through internet and present them through PPT.

TEACHERS:

Rajiyabegum.A.Nadaf, Guest Faculty

- Lab is helpful to prepare subject related Notes and Searching information regarding to women.
- We can purchase useful books through online.
- Lab is helpful for preparing the International, National & State level conferences, Seminars paper.
- It helps to improve teaching skills.
- It is useful to deliver the Lecture through PPT presentation in the Classroom.

SCHOLAR:

Hameedabanu Athani, Research Scholar:

- We are able to get knowledge about government schemes for social welfares. Ex:Annabhagya Yojane, Swacha Bharat Abhiyana etc.
- Helps to know about job opportunities.
- It helpful for prepare for competitive exams like NET, SLET, JRF and also get in time immediate information regarding ICSSR, RGNF, MANF, PDF etc.
- We are able to study the Ph.D thesis of universities across India with the help of Shodh Ganga website.
- It helps to adopt innovative methodology to feminist research, got statistic data for seminars, paper presentation and publication of research articles in reputed journals.
- It helps to gain information of sciences reports, various government and non government reports, world bank, UN reports, KHDR, HDR, GDP reports to strengthen the quality of research.

Women's Studies Dept. Computer Lab

DEPARTMENT OF RESEARCH AND STUDIES IN ECONOMICS

Name of the work: Computer Lab Upgradation

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Computer with Internet facility	14	• To check current data required for study purpose. • In Economics, everyday data fluctuates. Staff and Students are acquiring latest knowledge with the help of computers. • To find new concepts related to studies. • Certain concepts of the syllabus are some time unavailable in the text books, during such situation, computer with internet facility helps them. • To check the advertisement related to vacancies and jobs which is required for profession development. • It helps research scholars at the maximum level in the following way: i. To find information related to Research. ii. To Review the related literature of the respective research topics of the research scholars i.e. Shodhganga, Shodhsindhu, inflibnet etc. iii. To check Survey Reports, Glance Reports, Committee Reports, Annual Reports of different institutions or committees. iv. Computers make easier to share information and ideas with others. v. Computers help to rewrite all the collected information in word document. vi. Computers help for data analysis related to research like, to find average, percent, to frame charts, diagrams or figures required for researchers. Especially SPSS requires computer.	Akkamahadevi Women's University, Department of Economics, under the RUSA aid has a well-furnished hi-tech lab with all the modern required computer equipments. It is helping students, research scholars and teachers at the highest level. Students are benefitted by getting up-to-date knowledge and it helps to learn them the new concepts and economic fluctuations of the competitive world and our economy through latest data. One of the major needs in today's competitive world is to train the student's to get job where computers play a major role. RUSA fund helped a lot in upgrading the technology in our lab which is widely used by students, scholars and teachers.

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
			• Computers facilitate information related to the conferences, seminars and workshops etc which are highly required by the research scholars. • Computers are also assisting to carry online MOCK test which are crucial to practice for many competitive examination. • UGC, Universities, Government conducted Programmes or workshop and other Higher Educational Institution's related latest updates are easily accessible through Computers.	
2.	Printer with Scanner	2	• Printer helps to print the new study concepts. • To print the various notices, circular and reports. • Scanner helps to scan the diagrams of the study materials and geographical areas of the research students related to their research topic. • It also helps to scan the official and important documents of the department.	
3.	Colour Printer	1	• It helps for printing important study materials • It will help to print of the seminar or conference broacher to be conducted in future.	
4.	Air conditioner (AC)	2	Both the ACs are working well. It helps the students while working on computers in such a hot climate of Vijayapura city. Further it helps to control the room temperature of lab which is essential for computers.	
5.	Projector all in one	1	All in One Projector is used for innovative and effective teaching in classroom. It helps the research scholars for presenting Colloquium and Viva-Voce of their respective research works.	

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
			It is helpful during the delivery of special lecture by various resource persons. Online sessions like budget, special lectures are projected to the students.	

Feed Back of the Stake holders (Students and Teachers)

Students:

Savatri Paramagond, III semester student

Lab is very helpful to gain various current data and study materials. Further it has helped to check the online notifications of the universities and examinations like K-SET and UGC-NET.

Shilpa Haradolli, I semester student

The lab has helped to check the new concepts of the syllabus which has recently changed and which is not available in books. Further computers facilitated her to collect information of various facts and data which helped her to participate and win various competitions like debate, essay and many more.

Teachers:

Miss. Annapurna Kumbar, Guest Lecturer,

Lab is essential to collect latest updates of the subject we deal. As i am dealing with quantative methods for economics, many of the formulas, log-table, techniques are easily available in computers. All in One Projector is very helpful for teaching in classroom.

Dr. Bhakti Mahindrakar, Post-Doctoral-Fellow,

In economics data is very essential like: GDP, Inflation Rate, Budget Updates, Price Trend, CPR, WPR, Bank Rate, Repo Rate, CRR, SLR, VRR, Population Trends, Fluctuations in NI, Tax Reforms etc which are fluctuating in nature. Hence computer with internet facility plays a major role to check the current and accurate data published by various Government authorities. Lab is helpful for research purpose too.

Economics Dept Computer Lab

DEPARTMENT OF COMMERCE AND MANAGEMENT

Name of the work: Computer Lab Up gradation and other equipments

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	HP Computers	12	The new Computers provided by RUSA are higher end version i.e.: Windows 10 Pro 64, Intel® Core™ i5-6500 with Intel HD Graphics 530 (3.2 GHz, up to 3.6 GHz with Intel Turbo Boost, 6 MB cache, 4 cores), 500 GB. Which indeed help our students to upgrade ourselves and our students.	Akkamahadevi Women's University, Department of Commerce and Management, is acting as an Institute of Excellence in the areas of Commerce and Management Studies and Research specifically for local Women aspirants.
2.	AC	5	In Vijayapur, summer is extremely hot and it would be every inconvenient for our Teachers to be in cabin. The AC provided by RUSA would help our faculty to focus on their respective assignments.	The department aims to develop women professionals and to improve the industry practices through research, training and consultancy programmes and hence make a meaningful contribution to the women socio-economic development of North Karnataka.
3.	Colour Printer and All in one Printer	2+1	Printers will be helpful for our day to day work/research.	
4.	LED Screen	3	Highly used to screen documentaries, power point presentation and show business news to students with the help of projectors so that they stay tuned in to the happenings.	RUSA fund helped a lot in upgrading the technology in our department which is widely used by our students and teachers.

Feed Back of the Stake holders (Students and Teachers)

Students:

Divya Kowjolgi, 3rd semester student

Upgrading of our lab, I have got an opportunity to use the upgraded systems for my daily assignments and presentations.

Surekha Roli, Ist semester

I would like to state that, we are very much happy and satisfied with the latest computers installed in our computer lab and I am quite sure that we ave/will be benefited by this.

Teacher / Research Scholar:

Dr. Anita R. Natekar, Asst Professor,

I am thanking for the university and specifically RUSA for all the facilities provided to our department, which will help our students and colleagues to upgrade themselves to meet the ever-changing industry requirements.

Shubhangi Natikar, Guest Faculty,

Since the set up and up gradation of our computer lab and with the other equipments provided by the RUSA, we are optimally utilizing the resources to advance our skills and also these are very much helpful for our research work.

Management and Commerce dept.
Computer Lab

DEPARTMENT OF KANNADA

Language Lab

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	All in one Computer	15	All the Students and Teaching Staff belonging to Department of Kannada, Hindi and Urdu are getting the benefit from the language laboratory. The facilities of the laboratory have helped the students in developing curiosity and interest in learning language content. In addition continuous electricity, Internet and Printing facility are highly useful for learning among the students.	It has become inevitable to develop awareness regarding the use of modern technology in language learning. This has been made possible by the newly established language laboratory. The computer system, Internet and Printing facilities have helped much in this regard.
2.	Colour Printer	01		
3.	Printer	01		
4.	10 KV UPS	01		
5.	Antivirus	02		
6.	Computer Table	15		
7.	Computer Chair	15		
8.	Headphones	30		
9.	AC	04		

Feed Back of the Stake holders (Students and Teachers)

Students:

Jyoti Meti:

The Language Laboratory is very much useful to us. In addition to the students of Department of Kannada, the Research scholars and Students of the Department of Hindi and Urdu are also benefited by the language Laboratory. The continuous electric city, Internet and Printing facilities are very much useful and advantageous during crisis and emergency. The Laboratory facilities have developed curiosity and Interest among us.

Teachers:

Dr. Kamalarani:

We, the research students and the teachers of the Department of Kannada, Hindi and Urdu are using the benefit of language laboratory. The facilities available in this lab have developed curiosity and Interest among us. The continuous electric city, Internet and Printing facilities are very much useful for learning among the students. The lab facilities also have helped in organizing co-curricular activities , Subject seminars and special lectures.

Kannada Language Lab

DEPARTMENT OF P. G. STUDIES & RESEARCH IN ENGLISH

Name of the work: Lab Up Gradation

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	English Language Laboratory with Software	01	This set up was done under RUSA Grants and is very helpful to all PG students and research scholar of this department. Many scholars pursuing research for that this lab is very much beneficial for the scholars in conducting pre and post reading and in writing their research articles grammatically correct. As we are running M.A., M. Phil., Ph.D., PGDEC & PGDET courses number of teachers and students are making use of this laboratory for preparing presentations, pronunciation practice, drafting correct thesis and dissertation as well as articles. This sophisticated lab is very much useful in drawing the accuracy in learning LSRW skills, making analysis in reading and writing in teaching and learning activities. This enables students to get the grip over the language exercises and helps students to move towards perfection in LSRW skills in English	Akkamahadevi Women's University, Department of P.G. Studies & Research in English is one of the best departments in imparting best courses in English in Karnataka. No other university in Karnataka provides this space for students to do their Masters degree along with PG Diploma courses simultaneously. The department is well established with two huge classrooms, one language Laboratory and other required facilities for the students. RUSA fund helped the department in upgrading and purchase of lab instruments which were used by all the scholars and teachers of the department.

Feed Back of the Stake holders (Students and Teachers)

1. Shweta Patil:

I am pursuing my M.A. in English in this department. All the above mentioned instruments are very much useful to have proper learning conditions in the department. The lab is well equipped with the latest and sophisticated software for Englis language learning. We get the accuracy and confidence by using the software.

2. Parvati Hadapad:

I am pursuing my M.A. in English in this department. All the above mentioned instruments are very much

useful to have proper learning conditions in the department. All the above mentioned instruments were not available in our department before, we have to visit neighbouring departments and universities for the hiring of various instruments for our learning and research purpose which was very expensive for us but now the department has purchased all the instruments under RUSA Grants which are very much useful to do the research and upgrading our knowledge.

3. Deepak H. Shinde:

As the faculty of this department I am very grateful to the University for providing RUSA funds for the purchase of lab instruments. As the courses having more of lectures, experimental and practical classes it is necessary to measure the performance of subjects. All the instruments are very much helpful in conducting the research activity and developing LSRW skills in young wards in the department.

English Language Lab

DEPT. OF CENTRE FOR PERFORMING ARTS

Name of the work: Instruments Purchase

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Hand Harmonium (Tripple Reed)	02	Daily used in music class.It is helpfull to student to make practice, to compose the songs and it is also used in programmes.	Akkamahadevi Women's University, Centre For Performing Arts established in 2013-14. Centre is working for university progress. Centre students will participate in all departments activities and university functions regularly
2.	Tabla Set (Dagga, Hammer with Bag)	08	Daily used in music class.It helps to students to make practice, it is also used in programmes.	
3.	Tanpura	07	Daily used in music class.It helps to students to do practice.	RUSA fund helped a lot in upgrading the music practice in our centre which is widely used in leading university all programmes.
4.	Key Bard (400 , 110 songs tones)	02	Used in group songs and programmes. It is used to composing songs.	
5.	Sitar	02	It is used in group songs	
6.	Veena	01	It is used in so many programmes and solo performance.	
7.	Violin	03	It is also used group songs.	
8.	Rhythm Pad	01	Used in group song	
9.	Kango	01	Used in group song	
10.	Tala		Specialy used in Bhajan songs. Also used in special occasions like gandhijayanti etc	

Feed Back of the Stake holders (Students and Teachers)

Students:

Vidyashree Salimath:

I Got first prize in National Level Open Youth Festival. Musical Instruments are sufficient for us. Thanks to rusa and university

Soumya Pattar:

With the help of musical Instrument which are available in our centre I was possible to won First prize in Youth Fest.
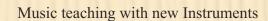
Teachers:

Harish Hegde:

I am Hindustani Vocalist, Harmonium player and Composer. I used the Harmonium for so many song composing and programme and practicing. All music Instruments are good to use and Helpfull to the students practice. Also used in 26th January, 15 Agust and other programmes. Thanks to rusa and Our University

Mallikarjun Kadapure:

I am basically tabla player. Music Instruments are good and helpfull to student and Teaching Staff.

Music Dept Instruments

Music teaching with new Instruments

DEPARTMENT OF CHEMISTRY

Name of the work: LAB UPGRADATION

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	FTIR- Fourier transforms Infra-Red Spectrophotometer	1	FTIR provides information on the basis of chemical composition and physical state of the whole sample. It is used to predict the compounds which are unknown. As we have both transmission and ATR mode in this FTIR, so it has made this work very simple and fast. In ATR we can directly keep samples (solids/liquids) and it will show the results. Or we can use transmission mode by preparing samples from hydraulic press. It is very advance and Hi-tech model.	Akkamahadevi Women's University, Department of Chemistry, holds one of the most advance form of k-Yan,All in one projector, FTIR and GC equipments which is not holded by many other known educational universities/institutions, in Karnataka. Before purchase of FTIR/GC, students and Faculties used to visit other Universities/institutions for their sample analysis but now the Department has got these equipments under Rusa Fund.
2.	GC- Gas Chromatography	1	Yet to be install.	This has opened up new opportunities for both students and teachers. Students are exposed to industry grade equipments and hands on practical experience, while teachers get to be innovative with the help of these improvised technologies.
3.	k-Yan All in one projector.	1	K-Yan All in one projector is used for presentations and seminar visually. As it is All in one it has processor, projector and speakers so we do not need any other accessories for our presentations. It takes very less space for keeping. It has very good quality of display and gives very clear sound. Totally it is advance and hi-tech model.	

Feed Back of the Stake holders (Students and Teachers)

Students:

Shrinidhi Kulkarni:

I am Student of 3rd semester, Department of Chemistry Akkamahadevi women's University, Vijayapur, The introduction of FTIR instrument in our department helped us to know more about the spectral analysis of any compounds this gives deep knowledge when compared with theoretical remembrance. Learning of the operation of these instruments also helps us in future and gives industrial exposure. It certainly helps us in our upcoming projects done in our final semester.

Soumyashree Zulapi:

Myself Soumya Student of 3rd semester, Department of Chemistry Akkamahadevi women's University, Vijayapur, I am feeling lucky to see such great instruments in our lab, which we have not thought of using practically here. It is gives practical knowledge of the subject and makes it easier to understand the theoretical concepts which we felt very difficult. And By k-Yan all in one projector we used for our seminars and PPT presentation which is very easy to handle and does not need much space. It is really good.

Teacher:

Tayyaba killedar:

Presently working in Chemistry Department, Akkamahadevi women's University, Vijayapur, as Full time guest faculty. Looking at such a great equipment laboratory is a pleasure to me. This has all the necessary equipments for practical and research work. After introducing FTIR in our lab all of us got great opportunities for our research. Projects of the students and research work of faculties became easier and faster, as both the instruments gives the accurate and confirmed results. And with k-Yan Projector our teaching method has improvised and students are visualizing the subject very interestingly. Now we are waiting for the installation of GC which also helps us in our research work and students in their practical and project work.

Chemistry Lab

Chemistry Dept. Building Renovation

DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

Name of the work: LAB UPGRADATION

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	IR spectrometer Schimadzu : IR affininty-1S, With All Accessaries	1	Yet to receive the instrument	Ice maker is an essential feature for chemistry laboratory, we were dependent on deep freezer units of refrigerators available in office for ice requirement. Now the crushed ice is readily available for our experimental. Its really very much helpful.
2.	Heidolph Rotary Evaporator:	1	Yet to receive the instrument	
3.	Ice Maker. (Ice snow maker)	1	The ice maker is being utilised by the M.Sc students in their regular practicals. Viz... in synthetic organic chemistry experiments, experiment to be carried out in low temperatures, inorganic analysis and whenever cooling of reaction flask/tt is required we need ice or freezing mixture, for these purposes the ice matic is very much helpful	
4.	Shimadzu UV-VIS Spectrophotometer, Model : UV-1800 Microprocessor based UV-VIS Spectrophotometer with high resolution LCD display and dedicated soft keypad, for operation on 220V / 50Hz.	1	Yet to receive the instrument	
5.	Electronic Balance	1	The electronic balance is used by M.Sc. Students i their regular practicals to weigh accurate amount of chemicals up to 10 milligrams quantity	

Feed Back:

Students

Akshata Managuli:

Ice maker and the weighing balance are the very useful devices for our lab. From the ice maker we can collect the ice easily. The ice is needed in almost all our practicals. Weighing balance is helpful in our lab to weigh the samples quickly.

Ateeqa M Korti:

Ice maker is one type of instruments used in microbiology and chemistry lab. It is useful in the preparation of organic synthetic compounds. In medical sector also it is used to keep vaccines, organs and other materials. The machine makes ice immediately and saves time. The weighing machine is important in chemistry lab to weigh the required sample in accurate weight.

Teacher:

Shruti Hirekurubar:

The Projector helps in teaching. It makes teaching more effective and it is more benefited in saving time rather than writing and drawing on blackboard. More convenient in making efficient note it will make teaching more effective by seeing listening and interacting. Using projector teaching becomes easy by showing videos which are required for studies from this we can understand the thories/ concepts in a better man. Projector is more interactive and it makes better use of time in classroom

Sunanda B Bagewadi:

Projector is useful in more efficient note taking. Helps to teach with a ranges of medium. It helps in making better use of time in the class room. Interactive presentations using the projector helps understand student/teachers each other.

Pharmaceutical Chemistry Dept Lab equipments

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DEPT. COMPUTER SCIENCE

NAME OF THE WORK: LAB UPGRADATION

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Dell Computers Specfication: 500 GB Hard disk,4GB DDR3 RAM Dual core processor	1	**Usage:** The Upgraded systems are being used by the students, research scholars and faculties for the Lab assignments, Projects, Research related works. **Best Practices:** By upgrading the computer, we are able to make the best of the system as concerned to the memory, processing power, and number of the various components that affect a local mode deployment.	A gap analysis using the output from the assessments, surveys. Under the RUSA aid the department was able to overcome Issues like, Lack of high configured systems that limits the ability to continuous Computing technology and designed for high availability. Network configuration changes limited to critical.
2.	System Up gradation: RAM	25	**Usage:** The Upgraded systems are being used by the students, research scholars and faculties for the Lab assignments, Projects, Research related works without any obstacles. **Best Practices:** By upgrading the computer, we are able to make the best usage of the system as concerned to the memory usage, or with the keyboards and mouse. There are no obstacles while working with process.	A gap analysis using the output from the assessments, surveys. Under the RUSA aid the department was able to overcome Issues like memory space and lack of input devices like keyboard or the mouse. Since we had few non-working keyboards and mouse which affected the work flow.
3.	System UP gradation: External Key Board	25		
4.	System UP gradation: External mouse	25		
5.	K7 Total Security License antivirus	100 users	**Usage:** Antivirus software is used in all the systems. To protect from the malicious attacks. **Best Practices:** Provide you full-fledged protection with almost no impact on your device performance. With malware protection, we are protected against known and future threats. We are able to use our systems with more speed and protected from the attack of the harmful viruses. By which the systems usually got affected by the unwanted	Our system usually got slowdown, hanged or corrupted previously, due to usage of pen derives, internet etc. The antivirus software would help us in overcoming the problems and improving the speed and the performance of the system

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Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
			pop ups, hanged or slowing down the system, system corruption or corrupted files which in turn affected the performance of the system.	
6.	MAT Lab License Software	05 users	**Usage:** This software is used by the students, research scholars and the faculties for the research related works and the research projects. **Best Practices:** MATLAB (matrix laboratory) 2016b version is a multi-paradigm numerical computing environment. A proprietary programming language developed by Math Works, MATLAB allows matrix manipulations, plotting of functions and data, implementation of algorithms, creation of user interfaces, and interfacing with programs written in other languages. It has spread widely in the computer science Research area. MATLAB is an efficient tool for the Image and video analysis in various fields like medical imaging, OCR, Biomedical imaging. The video analysis fields like Surveillances, pedestrian detection, sports video analysis etc.	MATLAB is a high-performance language for technical computing, integrating computation, visualization, and programming in an easy-to-use environment. It has been widely used in many areas, such as mathematics and computation, algorithm development, data acquisition, modeling, simulation, and scientific and engineering graphics. It is one of the advanced imaging tool with thousands of efficient techniques. Without this tool the image analysis would have become the unsolvable research activity and Major research works in the computer science field. However, new functions are freely available in MATLAB to perform the sequence data analyses specifically required for molecular biology and evolution.

Feed Back of the Stake holders (Students and Teachers).

Students:

Mrs. Prathiksha Rathod:
Pursing my studies in MCA V semester, The upgradation of the systems have helped me in using and enjoying the speed of the computer, using of the all in one projectors with big screen and high quality is interesting and effective .The MATLAB software, I am looking forward to use this for my upcoming projects. I am very thank full for providing these facilities.

Mrs. Rashmi Somshekhar:
I am a research scholar, The up gradation of the system have helped me in using the system without interruptions and with speed, since whenever we download the files or the information through net our system got stuck the antivirus software would help us in dealing with this issues and the MATLAB software is the tool on which we do our research .So I am very much thankful for making our jobs easy and satisfactory.

Computer Science Lab

COMPUTER CENTRE

NAME OF THE WORK: LAB UPGRADATION

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Dell Computers Specfication:500 GB Hard disk,4GB DDR3 RAM Dual core processor	45	**Usage:** The Upgraded systems are being used by the students, research scholars and faculties for the Lab assignments, Projects, Research related works. **Best Practices:** By upgrading the computer, we are able to make the best of the system as concerned to the memory, processing power, and number of the various components that affect a local mode deployment.	A gap analysis using the output from the assessments, surveys. Under the RUSA aid the department was able to overcome Issues like, Lack of high configured systems that limits the ability to continuous Computing technology and designed for high availability. Network configuration changes limited to critical.
2.	System Up Gradation: DDR2 RAM	43	**Usage:** The Upgraded systems are being used by the students, research scholars and faculties for the Lab assignments, Projects, Research related works without any obstacles. **Best Practices:** By upgrading the computer, we are able to make the best usage of the system as concerned to the memory usage, or with the keyboards and mouse. There are no obstacles while working with process.	A gap analysis using the output from the assessments, surveys. Under the RUSA aid the department was able to overcome Issues like memory space and lack of input devices like keyboard or the mouse. Since we had few non-working keyboards and mouse which affected the work flow.
3.	System UP Gradation: External Key Board	43		
4.	System UP Gradation: External Mouse	43		
5.	K-Yan all in one projector	02	**Usage:** The K-Yan all in one Projector is used by students, research scholars and faculties for the lectures, presentations etc. **Best Practices:** The all in one projector K-Yan compact media center is an integrated multiple technologies device combining the features of a computer and screen projector. It facilitates the projection and magnification of computer images on a screen or classroom wall.	A gap analysis using the output from the assessments, surveys. Under the RUSA aid, we were able to use the projector for the Conferences, seminar, workshops more effectively. Previously we didn't have all in one projector we found some difficulties in usages. Also for the lecture and the presentations in the class room were made more easy and interesting due to the clarity and the projection. Which in turn helped in improving the quality of teaching and learning skills.

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
6.	K7 Total Security License antivirus	100 users	**Usage:** Antivirus software is used in all the systems. To protect from the malicious attacks. **Best Practices:** Provide you full-fledged protection with almost no impact on your device performance. With malware protection, we are protected against known and future threats. We are able to use our systems with more speed and protected from the attack of the harmful viruses. By which the systems usually got affected by the unwanted pop ups, hanged or slowing down the system, system corruption or corrupted files which in turn affected the performance of the system.	Our system usually got slowdown, hanged or corrupted previously, due to usage of pen derives, internet etc. The antivirus software would help us in overcoming the problems and improving the speed and the performance of the system
7.	10X8 size Logic Make Projector Screen	02	**Usage:** Students, research scholars and the faculties of the other department are able to use this in the conference, workshops & Seminars with more effectiveness. **Best Practices:** 10X8 size Logic Make Projector Screen is elegant simplicity design with careful workmanship & easy setup. Imported Matte White - Grade made from German Fabric which gives better picture quality. Aspect Ratio: 4:3 Native; Special high-low roller makes screen surface completely flat. By using this the visualization is clearer	We usually faced problem in adjusting the screens for the bigger hall during the conferences so that it can reach to larger audience, adjustments of the screen and the blurriness with the images or the text was the problem. But now the problem is being solved using the equipments provided by the RUSA funds.

Feed Back of the Stake holders (Students and teachers).

Students:

The high configured system is very useful in knowing current trends and technology to understand the speed of the system, to know how the projectors are used for making the presentations in the conference, workshops etc. We are able to use and learn with system easily and efficiently.

I am a research scholar, I frequently visit to the lab for my research work and I am with the systems now they don't get stuck nor get corrupt, thanks for upgrading the system for the non-computer science background students.

Computer Center Lab

DEPT. OF BIOINFORMATICS AND BIOTECHNOLOGY

Name of the work: Establishment of Lab

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Real Time Polymerase chain reaction (Real-Time PCR) An latest instrument used to stud the gene expression. This technology replaced the conventional PCR. The instrument was supplied by Bio-Rad, they Pioneer in RT PCR technology and best suitable for genomics study	1	RT-PCR is routinely used to conduct gene expression studies by research scholar and PG students. This instrument has helped to understand the theoretical concepts practically Many students doing their M.Sc Projects by using this instrument.	Akkamahadevi Women's University, Department of Bioinformatics and Biotechnology has been provided by latest RT –PCR under RUSA programme, this instrument is very much helpful to both Research scholar and post graduate students, to an extent practical limitations are surpassed by this instrument.
2.	Polyacrylamide gel electrophoresis (PAGE) Widely used technique in biochemistry, forensic science, genetics, biology and biotechnology to separate bio molecules usually proteins and nucleic acids. This instrument was supplied by BioRad and high branded instrument setup, best suitable for molecular biology studies.	1	PAGE is used for isolation and characterization of proteins from different biological samples in regular practicals for M.Sc Students on day to day basis and also, extensively used by few research students. This instrument is an obligatory of molecular biology lab and used in most of the biological research institute.	We had local PAGE set up, it was not working properly, no better results obtained, this limitation was surpass by high branded BioRad PAGE set up. Both PG students and research scholars are using this instrument regularly
3.	High-performance liquid chromatography (HPLC) Widely used in instrument for separation of mixture of chemical compounds. We had HPLC instrument, however we were lacking columns for the instrument. Under RUSA a new HPLC Column IC 18 was purchased	1	This instrument is mainly used for research purpose. However, PG students are demonstrated and trained to handle this instrument. This instrument mainly used in Pharma, chemical and biotechnology industry and research institute. Therefore students are trained with this instrument to develop the skill.	Students are exposed and trained to the industry grade instrument, It will create and positive impression on students to fetch industrial jobs. Teachers and research scholars are exposed latest technology will certainly improve their knowledge and benefit the students.
4.	Digital electronic Balance An analytical balance is a class of balance designed to measure small mass in the Mettler digital analytical balance with 0.1 mg readability	1	It is continuously using for both regular lab and research purpose and it is used to weigh small quantity of chemicals for the preparation of reagents.	RUSA fund helped very much in upgrading the technology in our department especially concerned with research purpose. We had locally made instrument with poor sensitivity; this instrument has helped us to upgrade our lab. In addition, we are getting better experimental results and wastage of chemicals was reduced.

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
5.	**Inverted Microscope** Traditionally, inverted microscopes are used for life science research.	1	Presently inverted microscope is used for the research purpose to study the cell viability assay and cell biology work for observation of biological specimens.	Inverted Microscope has helped us to create an animal cell culture laboratory; we were lacking this instrument in animal cell culture lab. Under RUSA we procured the Inverted Microscope and creation of integrated facility is under process.

Feed Back of the Stake holders (Students and Teachers)

Students:

Ria Patil:

Presently I am in 3rd semester and I am able to use these equipments such as inverted microscope, electronic balance for routine laboratory purpose and instruments like RT PCR helped to understand molecular biology experiment.

Pooja Joshi:

I am first sem student. We are performing different molecular biology experiment and extraction of organic sample with the help of these instrument.
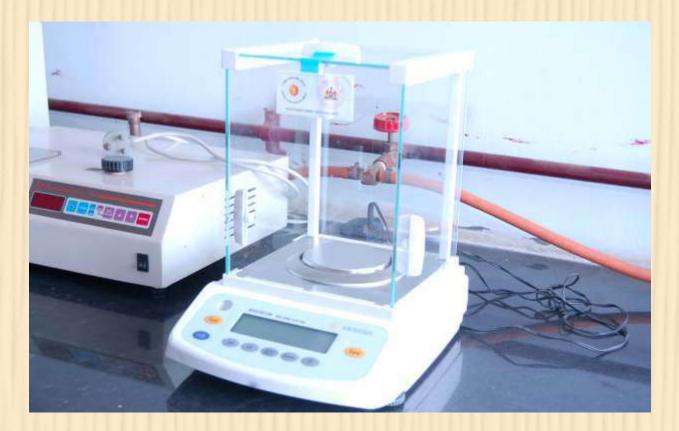
Teachers:

Mrs Prachi Parvatikar :

Basically I am pursuing my Ph.D. The instrument like RT PCR is being used for my research work and apart from my research work. It also help to carry out practical's for M.Sc students.

Dr. Arun K Shettar:

These equipments helped me conduct practical's for students and also improved my instrumentation knowledge. I am very much thankful to RUSA

Biotechnology and Bio-Informatics Dept Lab

GREEN HOUSE FACILITY

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	Natural ventilated ploy house	02	This facility will be used under the umbrella of integrated skill development programme for students and women's. Students are trained to develop the skill for self employment and entrepreneurship programme. Practical classes will be conducted by using this facility.	Construction works are under completion, 80% work has been completed. Once the facility get completed, facility will be used for practical classes for all the life science students
2.	Insect proof shed net	01		
3.	Shed net house	01		
4.	Mist chamber	01		
5.	Green house with pan and pad system	01		
6.	Media shed	01		
7.	Mushroom cultivation unit	01		
8.	Spirulina cultivation unit	01		

Green House

DEPARTMENT OF ELECTRONICS

Name of the work: Laboratory Up gradation

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
1.	**Desktop computer:** 3.3GHz Intel Core i5-6400 processor, 16GB DDR3L RAM, 1TB hard drive 18.5-inch screen, NVIDIA GeForce 705 2GB Graphics, Keyboard and optical mouse, Windows 10 operating system	5	A general purpose computer is used as a programming /interfacing /data logging and to run integrated development environments/firmware for the devices/kits/modules used in the department	Computers with latest configuration is suitable for installing advanced programming softwares.
2.	**Advanced FPGA kits** FPGA based Trainer Kit With Interfacing Module XILINX : FPGA : SPARTAN-III : XC3S400TQ144	2	To implement Digital Electronic circuits, digital trainer kits and FPGA KITs are used.	As per the curriculum FPGA kits and digital trainer kits are used for conducting LAB experiments.
3.	Digital IC Trainer Kit	10		
4.	Embedded system kit Universal Embedded Development Board • With onboard 8 Bit: Atmel 89S51 Microcontroller module • ARM series daughter card	5	Universal Embedded development Board is used for carrying out projects and train students to take up embedded product development.	Embedded systems have encroached in to our day to day lives. In terms of job, Embedded system play a vital role for students.
5.	**ADVANCED COMMUNICATION TRAINER KITS:** ASK Modulation & Demodulation Kit	2	As per the curriculum Advanced communication kits are used for conducting Laboratory experiments. Kits are key to understand the basic and advanced communication concepts.	Since digital communication industry such as wireless communication, mobile communications, computer communications has lots of scope for research and employment, this kits are significant for students.
6.	FSK Modulation & Demodulation Kit	2		
7.	BPSK Modulation & Demodulation Kit	2		
8.	DPSK Modulation & Demodulation Kit	2		
9.	2-Channel PCM-TDM Modulation & Demodulation Trainer Kit	2		
10.	Analog Signal Sampling & Reconstruction Kit	2		
11.	Study of 4-ch Analog Time Division Multiplexing & Demultiplexing	2		

Development Activities under RUSA

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
12.	**ARDUINO (compatible) development board**- Microcontroller : Atmega328	5	ARDUINO, Zigbee modules and Raspberry pi with sensor modules are vital for carrying out research in the field of advance communication. Using Ardino boards students can carry out minor and major project works/ can involve in product development and can enhance their programming skills. Raspberry Pi 3 boards can be used for implementing DSP/communication projects/products. Raspberry Pi 3 and Zigbee modules along with sensor modules are used as sensor nodes in establishing wireless sensor network (IEEE802.15.4).	MANETs and WSN is one of the well known research area. Currently with booming of 5G and Internet of Things, its significance has increased multifield. ARDUINO, Raspberry pi with sensor modules will provide a cutting edge for researches who wish to carryout research in wireless communication in the department.
13.	**Interfacing sensor modules** Small passive buzzer module, 2-color LED module, Hit sensor module, Vibration switch module, Photo resistor module, Key switch module, Tilt switch module, 3-color full-color LED SMD modules, Infrared emission sensor module, 3-color LED module KY, Mercury open optical module, Yin Yi 2-color LED module 3MM, Active buzzer module, Temperature sensor module, Automatic flashing colorful LED module, Mini magnetic reed modules, Hall magnetic sensor module, Infrared sensor receiver module, Class Bihor magnetic sensor, Magic light cup module, Rotary encoder module, Optical broken module, Detect the heartbeat module, Reed module, Obstacle avoidance sensor module, Hunt sensor module, Microphone sound sensor module, Laser sensor module, 5V relay module, Temperature sensor module, Temperature sensor module, Linear magnetic Hall sensors, Flame sensor module, Sensitive microphone sensor module, Temperature and humidity sensor module, XY-axis joystick module, Metal touch sensor module	5		
14.	Wireless Communication Modules compatible with arduino boards • XBee ZB ZigBee Mesh Module 2.4GHz 2mW with Wire Antenna with Xbee shield • Bluetooth-HC05/06-Modules	5		

Sl. No.	Equipment's Description	Qty	Equipment Usage	Gap Analysis
	• REES52 ESP-12E WeMos D1 WiFiuno based ESP8266			
15.	**Raspberry Pi 3 Model B**	5		

Feed Back of the Stake holders (Students and Teachers)

Students:

Surabhi Londave:

I am a student of I semester M. Sc. Physics and as part of syllabus we have used the Digital IC trainer kits for performing our Digital Electronic Experiments. Using the kits has helped me in connecting various circuits and providing the appropriate inputs and obtaining the required outputs.

Srujana:

I am a student of III semester M. Sc. Physics and as part of syllabus we have used Desktop computer for learning the programming languages and is helpful for us to carry out project work.

Teachers:

Ms. Swetha:

Under the RUSA grants, we are able to upgrade the Post-Graduate and the Research Laboratory in the department of Electronics from the basic equipments to the advanced tools, which helps both the students and the Teachers to carry out extensive research work in the field of Electronics.

Electronic Dept. Lab