GOUR MAHAVIDYALAYA,MANGALBARI,MALDA

Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. *(maximum 500 words)* (information to be available in institutional Website, provide link):

The existing infrastructural facilities are listed below: Campus area:

Existing Infrastructure(2018-2019)

Floor	Office room and seminar room	Class room	Department: Room	Laboratory(including Computer lab.)	Library: Room	Common Room	Hostel: Room	Canteen: Room	Latrines	Garage	Garden
Ground	9+ Seminar hall-1	7	6	5	2	3	16	1	18	3	8
Ist floor	1(IQAC)	20	6	6	1	2	17		17		
2nd floor		15	5	4					3+newly added 1(2018-19)=4		
Total	11	42+ newly added in 2018-19=44	17	15	3	5	33	1	39	3	8

Maintenance and utilization of the Infrastructure Facilities: The maintenance and upkeep of the infrastructure facilities are carried out with the support of the Building committee. The Building committee looks after civil maintenance. Electrical and the Plumbing related maintenance are done with the help local skilled persons. There are separate toilets and bathroom for boys and girls as well as male and female staff. 3big Water Coolers, Rain Water Harvesting Plant and Solar Power Energy Plant have been established. Parking facility is available for students and staff. Hostel Committee has been constituted. Hostel

facility is available for students. Expenditure for maintenance was done as per resolutions of the Finance and Purchase Committee and Tender Committee.

The physical facilities including Laboratories, Classrooms and Computers etc. are made available for the students those who are admitted to the college.As per the resolutions of the Governing Body the students seek admission to Science subjects and Geography are charged for the laboratory expenses at the time of the admission . The classrooms, boards and furnitures are utilized regularly by the students, but sometime it is also made available for the other governmental and the non-governmental organizations for conducting competitive examinations.

The academic support facilities like library, the sports and the other platforms supporting overall development of the students like N.S.S are open to the college students .

Laboratory and laboratory equipments: The Institution has 3 richly equipped computer laboratories accessible to the students with advanced infrastructure in terms of hardware and software to cater to the requirements of the students, teachers and the curriculum. The Institution has well equipped science 9 laboratories. Science laboratories are equipped with all the equipments, apparatus, models and chemicals necessary to carry out the experiments for demonstration and teaching various concepts of science and availability of the latest technique to develop the scientific attitude among the prospective teachers. The mathematics laboratory is a place where anybody can experiment and explore patterns and ideas. The materials are meant to be used both by the students on their own and with their teacher to explore the world of mathematics, to discover, to learn and to develop an interest in mathematics. The equipments and machineries in the laboratory are maintained by the Head of the Departments with the support service of 3 laboratory assistants.

ICT:Computers, UPS, software, Website: The ICT committee has been monitoring the whole process. HARDWARE DOT.COM, agency, Mangalbari, Malda provides skill technicians for maintenance. There are 3 Computer Labs. The college has adequate number of the computers with internet connections .The Institution has 2 Generators, 2 Xerox machines, few printers, CCTV camera and Audio system. Students and staff have equal opportunities to use these facilities as per the rules and the policies of the institution. The College has provided at least one computer with internet connection to each department and office staff. Teachers, members of non- teaching staff and Students can access internet.

Library: The College Library is a well equipped one with approximately 26,679 books. It has two well furnished reading rooms, one for the students and the other for the teachers. The library Committee has been constituted. The library is headed by Assistant Librarian .She is supported by clerks for Journal and lending sections. In addition to the above staff, attenders help faculty members and students for searching and lending of the books in the library.Inflibnet facility with online journals,e-books from Taylor and Francis group is available for the teachers and students.LYBSIS is being used for library automation. Apart from the Central Library ,5 Departmens have Seminar Libraries to meet the demands of the students and teachers.

Physical Education: The Sports Committee has been constituted. With a firm belief that physical fitness leads to mental fitness, the college provides first-rate facilities in play fields for various games like Volley ball, Football, Cricket, Badminton, Caroms etc., in the campus.

The College organizes Sports Meet and encourages students to participate in the Inter-Collegiate events. As the Institution has earned reputation in sports the college administration always encourages sports and games. Sum of Rs.34, 000/ has been granted by the College to encourage footballers and athletes (From 1.4.2018 to 31.3.2019) and conduct annual sports.

Garden: Many Gardens have been developed :(No.1). Flower Garden (No.1):372"922".(2). Flower Garden (No.2):511"-517".(3). Flower Garden (No.3):508"-119".(4). Flower Garden (No.4):385"-415".(5). Flower Garden (No.5).:237"-294".(6). Garden of Medicinal plants:669"-116".(7). Garden of Medicinal plants (No.2):610"-1189", (8). Garden in front of Library)(9). EX-situ conservation garden (NO.1).(10). Herbarium (NO.1) and (11). Arboretum .The Beautification Committee looks after the matter of gardening. The college gardens are maintained by the gardener appointed by the institute.

Security: Security Agency looks after security. Contractor of Security agency assigns the duty to the security guards to control and monitor the premises.

Cleanliness: The maintenance and the cleaning of the classrooms, latrines, office room, and the laboratories are done by two Sweepers.

Budget allocation, excluding salary for infrastructure augmentation during the year:

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year"From1.7.2018 to 31.3.2019.			
Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
	(1)Seminar/Workshop/Special Lecture: Rs.44,742/		(1)Building/Repair/Renewal:Rs.21,65,884/
	(2)Books,Journals,Newspapers:Rs.26009/		(2)Equipments:Rs.3,06,159/(College fund) (3).Rs.22,12,457/(Out of grants from RUSA)
	(3)Internet:Rs79,706/		(4)Electric bill:Rs.1,86,583/
	(4)Stationary:Rs.41,150/		(5)Electric charge:Rs.1,3,665/
			(6).Gardening:Rs.8,000/

The following electronic products, A.C.,software and accessories are bought(2019-out of grants received from RUSA) for the up gradation of the existing technological infrastructure: No. of important equipments purchased (≥ 1-0 lakh) during the current year)****

SL	Item	Quantity	SL	Item	Quantity

1	Haier 2Ton Split A.C.	12	2	Probes for CRO (BNC to CROCODILE)	2
3	Transistor : CL100	24	4	Multimeter . Digital. Standard model. To measure V, I, Ohms, Transistor Hfe, Continuity check, Diode check, For regular student use. Heavy duty.	4
5	Transistor : 2N-3055,CDIL/BEL	12	6	Multimeter . Digital. With capacitance measurement. Standard model. To measure V, I, Ohms, Transistor Hfe, Continuity check, Diode check, Frequency & Capacitance measurement.	1
7	IC : 741	24	8	Multimeter With LCR, Hz measurement. Standard model.	1
9	IC : 7400	24	10	AC Meter Probe. BNC to crocodile	10
11	IC : 7486	12	12	Multimeter Probe (set of 2pcs)	4
13	IC : 7402	12	14	Coils of wire Suitable for Bread Board use. 1 coil approx 90 meter & 0.6 mm	2
15	IC : 7404	12	16	9 Volt Battery	12
17	Diode : 4007IN	24	18	1.5 Volt Battery (1.5 Volt AA Battery)	12
19	Zener Diode : 3Watt/5.6V	4	20	Crocodile Clip 1 Pair. Heavy type. Spring contact.	24
21	Capacitor : 0.01MFD	24	22	Fixed resistance With 2 terminals in casing. Manganin Coils (Imported). Class: 0.5% Range: 0.01 to 50 any desired value.	10
23	Capacitor : 0.001MFD	24	24	Decade capacitance 0.01 ufd x 10 or 0.1uf x 10 or 1 ufd x 10 – any single set	5
25	Capacitor : 0.0001MFD	24	26	Set-up for Mutual Inductance Complete Set up: All with best quality materials only. a) Ballistic Galvanometer. High precision. @3800/- b)Lamp and scale arrangement, Wall Type @2800/- c)Variable Mutual Inductance, Box Type @4800/- d)Shunt Box, Two dial Type, Manganin coil, range 0.01 & 0.1 ohms in ten steps. @1800/- e)Power Supply , 4V/2 amp @1200/- f)Plug Commutator ,Heavy Type, 2 pcs @950/- x 2 g)One way plug key, Heavy Type,2 pcs @450/- X2 h) Pouls commutator (without mercury)@1200/- i)Resistance Box, Manganin coils 1 to 10000ohms @3200/- j) Resistance Box, 1 to 1000ohms Manganin coils@2400/-	1
27	Capacitor : 2.2MFD	24	28	Decade resistance 1Meg X 10 Total 10Meg Ohms	4
29	Capacitor : 10MFD	24	30	Emitter follower Complete with biasing power supply, circuit arrangement, Audio generator 200 KHz Dial type, detailed manual.	2

31	Capacitor : 470MFD	24	32	Voltage Supply(Mutual Inductance setup) DC Power Supply 0-30V / 5 A PRECISION POWER SUPPLY : CV/CC Type DC Power Supply. Fully protected against continuous short circuit and over load. Automatic crossover from CV to CC. Remote sensing type. Load and line regulation better than 0.05%. Ripple less than 5 mV. Complete with 0.1% class Digital Voltmeter & Ammeter	1
33	Capacitor : 330MFD	24	34	L-R/L-C-R/C-R To measure the voltage across the inductance (L), Capacitance (C) & Resistance (R) of a Series LCR circuit for different frequencies of the input voltages with the help of an AC Millivoltmeter & hence 1) To study the variation of impedence of L & C with frequency of the impressed voltage, 2) To draw the resonance curve of the series LCR circuit & to determine the Q factor of the circuit. Complete with Audio Oscillator – Sine wave 0-10V p-p 10KHz with digital frequency counter, digital ac voltmeter, digital ac ammeter or voltmeter, digital frequency counter, different values of L, C & R. Complete in all respect with detailed manual	3
35	Capacitor : 0.22MFD	24	36	Anderson's Bridge To measure the self – inductance of two coils by Anderson Bridge to find the total inductance of two coils connected in series & hence to estimate the co-efficient of coupling between the coils. Complete with Anderson Bridge full set up with three non inductive resistances of 100 ohms. A variable non inductive resistance in the form of three decades of 0.1x10, 1x10, 10x10 ohms. This resistance also includes the resistance of self-inductance e L which is also connected in the same arm. A non inductance variable resistance of three decades of 10x1, 10x10, 10x100 ohms & standard capacitance in the form of four values of 0.005, 0.01, 0.02,0.05 mfd selected by a selector switch. Complete with Digital null detector, 1 KHz Sine wave Audio Oscillator with variable amplitude. Aditionall : Variable inductance coil (Cross coil)	2
37	Capacitor : 0.022MFD	24	38	L-R/L-C-R/C-R To measure the voltage across the inductance (L), Capacitance (C) & Resistance (R) of a Series LCR circuit for different frequencies of the input voltages with the help of an AC Millivoltmeter & hence 1) To study the variation of impedence of L & C with frequency of the impressed voltage, 2) To draw the resonance curve of the series LCR circuit & to determine the Q factor of the circuit. Complete with Audio Oscillator – Sine wave 0-10V p-p 10KHz with digital frequency counter, digital ac voltmeter, digital ac ammeter or voltmeter, digital frequency counter, different values of L, C & R. Complete in all respect with detailed manual	3
39	Capacitor : 1000pF	24	40	Anderson's Bridge To measure the self – inductance of two coils by Anderson Bridge to find the total inductance of two coils connected in series & hence to estimate the co-efficient of coupling between the coils. Complete with Anderson Bridge full set up with three non inductive resistances of 100 ohms. A variable non inductive resistance in the form of three decades of 0.1x10, 1x10, 10x10 ohms. This resistance also includes the resistance of self-inductance e L which is also connected in the same arm. A non inductance variable resistance of three decades of 10x1, 10x10, 10x100 ohms & standard capacitance in the form of four values of 0.005, 0.01, 0.02,0.05 mfd selected by a selector switch. Complete with Digital null detector, 1 KHz Sine wave Audio Oscillator with variable amplitude. Aditionall : Variable inductance coil (Cross coil)	2

41	Capacitor : 520pF	24	42	CRO(Analog) OSCILLOSCOPE. ANALOG. 30 MHz. SCIENTIFIC SM410 30 MHz Dual Trace Oscilloscope with probes & manual. Product Features Bandwidth 30 MHz Dual Channel, 1mV/div., Invert facility in both Channels Time Base : 20ns -0.2s/ div; Variable hold- off; X10 Magnification Triggering : DC-60MHz; Active TV Sync Sep.; Alternate triggering Vertical Deflection and Time base Accuracy + 2% (in cal position) XY Mode Component Tester; 2 Level Calibrator	
43	Capacitor : 300pF	12	44	Signal Generator FUNCTION GENERATOR.5 MHz 4 Digit Digital Frequency display. Wave forms : Sine / Square / Triangular. Frequency : 10 Hz to 5 M Hz Output amplitude : Sine / Square / Tria : 0-3V p-p Output impedance : 50 Frequency readout : 4 digit counter	
45	Capacitor : 100pF	24	46	SPECTROMETER 7" circle, 20 sec Vernier Constant. DELUXE MODEL. High Grade Spectrometer. 7" circle. 20 Sec Vernier with circular slit & micrometer scale. Stainless steel scale. The achromatic objectives used in the telescope & the colorimeter are of very superior quality. The scales and verniers are automatic machine divided. Cover plate is provided to protect the scale and vernier from dust and carries two transparent windows for verniers. Complete with prism clamping device & diffraction grating stand. Provided with vertical adjusting screws to both the colorimeter & Telescope. Clamping devices are provided to lock the colorimeter & Telescope after adjustment	4
47	Capacitor : 10pF	24	48	Grating Plates GRATING. Imported Optical grating: Imported from UK 15000LPI	5
49	Prism Prism. EDF 32x32 For Spectrometer work. Made from Extra Dense Flint Glass. RI – 1.65	5	50	Search Coil Set-up The mean diameter of search coil is 1 cm. – 100 turns are wound with insulated copper wire over this diameter – the body of search coil is made with non-magnetic and nonconducting material – complete with stand and releasing devices	4
51	OPTICAL BENCH - 0.75" SS Rods. Heavy Duty Heavy type. 1" Stainless Steel rods, Heavy riders. 1.5 Meter long. Heavy duty. It has two metallic heavy rods duly chrome plated. A third is provided for better support. Machine graduated scale. Four heavy cast iron Riders are provided. Complete with lens holder, lamp house, Screen, needle.	1	52	Galvanometer GALVANOMETER. BALLISTIC / DEAD BEAT Made from Phosphor Bronze ligament imported from Germany Coil resistance: 100 ohms Time period : 12 Sec Sensitivity : 300 mm per micro coulomb at 1M	6
53	Philips Low Pressure Sodium Lamp Phillips. 35 watt	10	54	Galvanometer GALVANOMETER. ANALOG 1.5 %class accuracy. Rectangular shape approx. 4"scale with anti parallax mirror scale. Table top model on stand with terminals. Suitable for laboratory use. Scale Division: 30-0-30	12
55	Newton Ring Microscope NEWTON`S RING MICROSCOPE SET. Complete with Two Motion Newton`s ring Microscope, Set of Newton`s ring lens with mounting & adjustment	1	56	Power supply DC Power Supply 0-12V / 1 A. Digital Complete with digital voltmeter. Short circuit protected.Tharmal shutdown circuitry. Low output impedence.	6

	arrangement. One Plano-convex lens and one optically trueparallel glass plate are put together inside a brass cup with screw cap arrangement and is fitted with leveling screws – one glass plate with arrangement to incline is fitted on the same cup- supplied with one lens fitted in metal frame and base with leveling screws for parallel rays form the source. Optional: Na Lamp , Lamp House, Transformer for Na lamp				
57	Polarimeter with bi-quartz It has □ aurent quartz device which makes the instrument sufficiently accurate & at the same time simple & suitable for use with sodium light. The circular head is attached near to the analyser & vernier movable over this scale enable reading of optical rotation accurate to 1/10th deg. 1 200 mm rube for containing the solution under study for it`s optical activity is supplied with the instrument. The whole optical system is mounted on a sturdy adjustable tripod stand. Aditional : Na Lamp, Lamp House, Transformer for Na lamp	2	58	Microprocessor setup (8085) with power supply M85-01 8085 Microprocessor Trainer Kit 1. 8K bytes of RAM using 6264 with Battery Backup using NICD Battery. 2. On-board one memory expansion up to 56KB. 3. Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector. 4. 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series. 5. RS-232C interface through SID/SOD lines 6. Two mode of commands: - Hex Key pad Mode – Serial Mode 7. Six Digit Seven Segment Display using 8279. 8. 28Key`s Hex Keypad using 8279 Keyboard Display Controller. 9. Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through Hex keyboard or PC serial mode. 10. Facility for Downloading/Uploading files PC. 11. All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series. 12. All ICS are mounted on IC Sockets.	11
59	CE amplifier Trainer Panel Board for CE Amplifier. Single Stage 12 V DC Power Supply for biasing the transistor, circuit arrangement including Transistors like CL100, BC 107, resistance R1& R2 for voltage divider, resistance Rc & Re collector, emitter, three capacitor Ci,Cc&Ce for input,collector & emitter bypass capacitor, on board Bread Board, manual.AC Millivoltmeter. 20mV/200mV/2V/20V Frequency response upto 200KH	2	60	CE amplifier:11:Stainless Steel Structured Chaire table with bag holder abd cushion	80
	Platinum Resistance thermometer. 99.9 % pure platinum wire used. Made from original Platinum Wire. Housed in Borosil Glass tube. Complete with terminals.	2			

61.Software-1(College fund)

Value:Rs.22,12,457/(Out of RUSA grants)

4.2 Library as a Learning Resource

4**4.3 IT Infrastructure**

4.3.1 Technology Up gradation (overall)

1.4.2018-31.3.2019

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart – ments- Computers	Available band width (MGBPS
Existing	70	3	yes	2	NIL	11	58	……(1).2MBPS-2;(2).1.5MBPS-2;(3).1-IMBPS-17……
Added	1	-	-	-	NIL	-	1	1-MBPS-2(5.4.2019)
Total	71	3	yes	2	NIL	11	60	1).2MBPS-2;(2).1.5MBPS-2;(3).1-IMBPS-19……

Value of the equipment purchased during the year (Rs. in Lakhs)		a).Please see the following list-Rs. 22,12,457/(Out of RUSA grants)(b). Rs.3,06,159/(College fund)