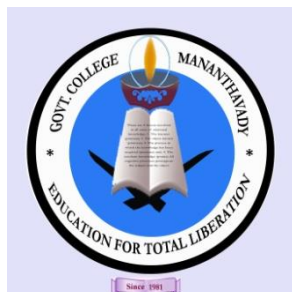


# **GOVERNMENT COLLEGE MANANTHAVADY**

**NAAC ACCREDITED WITH 'B' GRADE**

**NALLOORNADU P. O.**

**WAYANAD DISTRICT, KERALA –670645**



## **Detailed Project Report for RUSA Funding 2015-16**

Submitted to

**Kerala State Higher Education Council**

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# Introduction

Established in 1981, Government College Mananthavady has served as a source of enlightenment for the past 34 years to the rural and tribal population of the hilly district of Wayanad. It has crossed a significant landmark in 2014 by securing the accreditation of **NAAC with a high 'B' Grade** in spite of the limited number of courses the college offer. 65% of the student population of the institution is girls, and it is a haven for the large number of SC/ST and other tribal communities inhabiting this region.

The college has successfully utilized the funds it received from various sources in the previous years. It has established 24/7 Wi-Fi internet connectivity, scholarships for maximum number of students every year, 100% smart classes, regularly updated library, hostels for boys and girls, EDUSAT and INFLIBNET facility, and a fully functional college website. The college stand in the forefront in its social and community services with the help of NCC, NSS and Bhoomitrasena Clubs. The achievements of the college in terms of sports is unparalleled.

The college also requires more funding for upgrading the quality of its existing academic programs, and it is in tune with the vision and mission of the college to transact the curriculum with the help of latest technology. The NAAC Peer Team has emphasized the importance of the gradual upgradation of infrastructure, library services as well as student services. It is in this context of the unquestionable commitment to the rural and tribal population of its catchment area that Government College Mananthavady puts forward the proposal for the RUSA fund for the academic year 2015-16.

# CHAPTER 1: Preamble

**Name of the College : Government College Mananthavady**

**Name of University : Kannur University**

**Year of Establishment : 1981**

**Name of the District : Wayanad**

**Profile of the District :**

Wayanad District came into existence on 1st November, 1980 as the 12th District of Kerala consisting of Mananthavady, Sulthan Bathery and Vythiri Taluks. The name Wayanad is derived from Vayal Nadu which means the land of paddy fields. It is a picturesque plateau situated at a height between 700 meters and 2100 meters above the mean sea level nested among the mountains of the Western Ghats on the Eastern portion of North Kerala and on the sides of Tamil Nadu and Karnataka States. The district was carved out from the then Kozhikode and Kannur districts. About 885.92.sq.km of area is under forest. The culture of Wayanad is mainly tribal oriented. Though considered as backward, this district is perhaps one of the biggest foreign exchange earners of the State, with its production of cash crops like pepper, cardamom, coffee, tea, spices and other condiments.

According to the 2011 census Wayanad district has a population of 816,558. There are tribal populations in the area who still practice age-old customs and rituals and live a nomadic life. Some of the tribal populations include Paniyas, Adiyas, Kattunayakan, kurumans and Kurichiyans constitute 20% of the district population. It is the district with the highest share in the adivasi population (about 36%) of Kerala.

In the educational sector the district has six Arts and Science colleges of which two in government sector and four aided institutions. Also there is an Engineering College, two Polytechnics, two ITC's, seven TTI's, six Bed centers and a Veterinary College.

## **CHAPTER 2: Vision and Mission**

### **Vision:**

Our vision is to mould the students into better individuals, and guide them to contribute constructively towards national goals by upholding the values of secularism, national integration and social commitment and to make them intellectually competent, morally upright, psychologically integrated, physically healthy and acceptable to the society.

### **Mission:**

Our mission is to uplift the youth by imparting quality education and exposure and to equip them to cope with the latest requirements through innovative techniques and practices.

### **Details of specific outcomes and outputs to be achieved in areas of equity, access, excellence and research, skill development etc**

### **Equity:**

The institution has at present four UG courses and a PG course. Being located in an ST dominated district (20% ST) we provide higher education opportunities for these marginalized sections. Also we are providing various coaching programs with financial support from UGC. By starting new courses we may be able to do more justice to these sections of society. The construction of our Boys hostel is over and is awaiting inauguration. We need sufficient furniture for opening the hostel and it would be beneficial to those students hailing from these marginalized sections. Besides, the college has 67% of girl students which directly contributes to women empowerment, and more courses would further enhance it.

### **Access:**

The Demand Ratio of our college is phenomenally high and is around 1: 45 for most of the courses. Our aim is to enhance Gross Enrolment Ratio by enhancing the intake of students, and for achieving this objective we require more courses, buildings, library and

sports facilities. For ensuring facilities for more students we also plan to generate more solar energy in tune with our environmental perspective.

### **Excellence:**

We went for NAAC accreditation in 2013. All our class rooms are smart and have a WiFi enabled campus. To improve excellence we need to bring exam reforms and we wish to install CCTV in our exam halls. We need to enhance library facility by constructing new building and subscribe journals. Laboratory facilities need to be upgraded and switch to e-learning. For that we wish to provide laptops on loan to financially back ward students like SC/ST. Being located in a higher altitude, our students have better stamina and are producing excellence in sports and games. In order to improve sports facilities we wish to renovate our play ground

### **Research:**

Being an agrarian district we wish to do rigorous research in the area of agriculture, and we wish to contribute to the nation by seeking methods for agricultural automation. By constructing a polyhouse agricultural cottage we wish to impart agricultural know-how to the students, staff as well as the public.

### **Skill Development:**

In collaboration with various governmental agencies the college contributes to the skill development of students as well as the public utilizing the infrastructure of the college. By providing laptop computers to the students, their skills in various computational skills can be developed. **Laptop banking** (lending laptops to students) for students will strengthen efforts in this direction.

## CHAPTER 3: Physical and Financial Details of the College

The College at present has an academic block which caters College Office, Library, Auditorium, seminar hall, Laboratories, Wayanad heritage museum and classrooms for all four departments. A Women's hostel was constructed with financial support from UGC and is operational. The construction of Men's hostel and Canteen building are completed and are awaiting inauguration. All our class rooms are equipped with smart boards and have a WiFi enabled campus.

The college has submitted its proposal to RUSA for the development of infrastructure and projects for the plan period 2014-20. In these circumstances the RUSA has sanctioned an amount of Rs. 2 Crores as per order No. 105/KSHEC/RUSA/MS/2015 dated 17/04/2015 for Government College Mananthavady.

<b>Total fund allotted</b>	<b>: Rupees 200 lakhs</b>
<b>New construction (35%)</b>	<b>: Rupees 70 lakhs</b>
<b>Renovation (35%)</b>	<b>: Rupees 70 lakhs</b>
<b>Purchase of Equipments (30%)</b>	<b>: Rupees 60 lakhs</b>

We plan to utilize the amount as per the table shown below during the financial years 2015-16, 2016-17 and 2017-18

	<b>Purchase of Equipments</b>	<b>New construction</b>	<b>Renovation</b>	<b>Total</b>
<b>2015-16</b>	<b>35,00,000</b>		<b>15,00,000</b>	<b>50,00,000</b>
<b>2016-17</b>		<b>70,00,000</b>		<b>70,00,000</b>
<b>2017-18</b>	<b>25,00,000</b>		<b>55,00,000</b>	<b>80,00,000</b>
<b>Total</b>	<b>60,00,000</b>	<b>70,00,000</b>	<b>70,00,000</b>	<b>2,00,00,000</b>

## Plan proposal for the year 2015-16

### 1. Renovation of Indoor stadium

At present the institution has a open air auditorium constructed between two buildings. With proper roofing we can efficiently use the auditorium for various purposes. The institution has made huge achievements in sports and games especially Power Lifting, Weight Lifting and Wrestling. In order to impart better training to the students we wish to renovate the existing indoor stadium with roofing. Besides sports activities like Badminton, Table Tennis etc, the renovation of the indoor stadium would facilitate extracurricular activities like arts festivals, Programmes of NSS, NCC and other clubs and cells operating in the college. An estimated amount of 15 lakh is required for this project. **The detailed plan and estimate is attached as Appendix I**  
**Total Estimate: Rupees Fifteen Lakhs (Rs 15,00,000)**

### 2. Purchase of furniture's and other equipments for Mens Hostel

The construction of Men's Hostel of Government College Mananthavady has been completed and is waiting for inauguration. The Men's hostel will be beneficial for the student community of Wayanad especially the marginalized tribes. The Hostel has altogether 25 rooms and each room can host three students. For the hostel to function each room needs cots, tables, chairs and shelves, besides the kitchen need utensils, fridge, grinder, gas connection etc for smooth functioning. We wish to purchase these equipments during the financial year 2015-16. The detailed list is given below.

Sl No	Item	Unit Price	Quantity	Total
1	Gas Piping, Stoves and Dosa Tava	50000	1	50,000
2	Tables	5000	25 x 3=75	3,75000
3	Chairs	3000	25 x 3=75	2,25000
4	Cots	6000	25 x 3=75	4,50,000
5	Various Utensils including grinder, mixer grinder, water purifier etc	200000		2,00,000
6	Fridge	25,000	1	25,000
7	TV	25,000	1	25,000
<b>Total</b>				<b>13,50,000</b>

**(Total Rupees Thirteen Lakhs fifty thousand only)**

### 3. Purchase of furniture's and other equipments for Canteen

The construction of Canteen building of Government College Mananthavady has been completed and is waiting for inauguration. The canteen needs furnitures, utensils, freezer, mixer grinder etc for functioning and we wish to purchase these equipments during the financial year 2015-16. The detailed list is given below.

SI No	Item	Unit Price	Quantity	Total
1	Gas Piping, Stoves and Dosa Tava	40,000	1	40,000
2	Essential Electronic equipments Freezer, Grinder, Mixer grinder etc	60,000		60,000
3	Furnitures	1,30,000		1,30,000
4	Essential Utensils	70,000		70,000
<b>Total</b>				<b>3,00,000</b>

**(Total Rupees Three Lakhs only)**

### 4. Purchase of Laptops for Students

Information and Communication Technology (ICT) have become key tools in educational methodology and curriculum delivery globally. It has been identified as an indispensable instrument for the development of quality teaching and learning in the education system. We wish to switch to e-learning platform like MOODLE and for that laptops are a necessity for students. Since most of our students come from low income families, we wish to provide laptops to students as and when required. For that we wish to purchase 50 laptops and the details are given below

SI No	Item	Unit Price	Quantity	Total
1	Laptops for students Celeron Dual Core, 11.6 “, 2 GB RAM, Win 8, HDMI port, WiFi,USB Port Web Cam With Five year Warranty	25,000	30	7,50,000
<b>Total</b>				<b>7,50,000</b>

**(Total Rupees Seven Lakhs fifty thousand only)**

### 5. Library automation

We have a library with over 20,000 books and is partially updated with barcodes. We wish to convert our library to a fully automated one with facilities for self-service,



automated check-in process and sorting using RFID. As a first step we want to categorize all books using barcodes and make a database.

<b>Sl No</b>	<b>Item</b>	<b>Total</b>
1	Library automation Categorising The Books Classifying The Books (Ddc 23) Biblio And Item Creation Data Entry Of All Particulars Of A Book/Journal Labelling The Books (Thermal Printing) Spine Label Barcode Label Sorting The Books According To Subject, Author And Title Arranging Books In Book Shelf Based On Class Number - Installing And Configuring NCIP/SIP2 protocol enabled Library Management Software and data to be entered into the Software in MARC21 format – for further use of RFID integration.	2,50,000
<b>Total</b>		<b>2,50,000</b>

**(Total Rupees Two Lakhs fifty thousand only)**

#### **6. Subscription of periodicals**

We wish to subscribe periodicals for the next three years for enhancement of learning and research

<b>Sl No</b>	<b>Item</b>	<b>Total</b>
1	Subscription of various Journals	1,00,000
<b>Total</b>		<b>1,00,000</b>

**(Total Rupees One Lakh only)**

#### **7. Purchase of Polyhouse**

Agriculture is humankind's oldest and still its most important economic activity, providing the food, feed, fiber, and fuel necessary for our survival. With the global population expected to reach 9 billion by 2050, agricultural production must double if it is to meet the increasing demands for food and bioenergy. Given limited land, water and labor resources, it is estimated that the efficiency of agricultural productivity must increase by 25% to meet that goal, while limiting the growing pressure that agriculture puts on the environment. Automation can play a significant role in society meeting 2050 agricultural production needs and we wish to purchase poly house for enhancement of research in the area of agriculture automation.

SI No	Item	Total
1	Purchase of polyhouse	2,50,000
<b>Total</b>		<b>2,50,000</b>

**(Total Rupees Two Lakhs fifty thousand only)**

### **8. Purchase of Laboratory Equipments**

The institution has two laboratories namely Electronics lab and Physics Lab. We wish to start two new courses in the subsequent years namely BSc Physics and MSc Electronics. Hence we need to upgrade our Labs by purchasing new equipments.

SI No	Item	Total
1	Purchase Mixed Signal Oscilloscope	2,00,000
<b>Total</b>		<b>2,00,000</b>

**(Total Rupees Two Lakhs only)**

### **9. Purchase of Sports Equipments**

We have made outstanding achievements in the area of sports especially archery and weight lifting. We wish to purchase modern equipments for these two items.

SI No	Item	Unit Price	Quantity	Total
1	Pec deck (with weight)	35,000	1	35,000
2	Leg extension (with weight)	25,000	1	25,000
3	Leg press Vertical (with weight)	25,000	1	25,000
4	Archery Bow set (Recurve )	1,00,000	1	1,00,000
5	Recurve arrow	2,500	6	15,000
<b>Total</b>				<b>2,00,000</b>

**(Total Rupees Two Lakhs only)**

### **10. Purchase of CCTV**

We wish to install CCTV in our college for improving learning atmosphere.

SI No	Item	Total
1	Installation of CCTV	1,00,000
<b>Total</b>		<b>1,00,000</b>

**(Total Rupees One Lakh only)**

## **Plan proposal for the year 2016-17**

### **1. Construction of Library Building**

Government College Mananthavady has a central library with more than 20,000 books. The present library is actually maintained in a building meant for classrooms and is in a congested state. The central library has to be shifted to a new building with ample space. So now we are proposing for a new library building which has to be constructed with the amount allotted by RUSA

**The detailed plan and estimate prepared is also enclosed herewith in Appendix II.**

**Total Estimate : Rupees Seventy Lakhs (Rs 70,00,000)**

## **Plan proposal for the year 2017-18**

### **1. Renovation of playground**

Government College Mananthavady has made tremendous achievements in Sports and Games during the past three decades. The college has a playground with a 200 meter track. It requires leveling and soil treatment. Besides the ground also need a pavilion with dressing rooms and toilets. **The detailed proposal for the leveling of the college playground and construction of pavilion is enclosed herewith in appendix III.**

**Estimate:**

**Construction of Pavilion : Rupees Forty six Lakhs (Rs 46,00,000)**

**Leveling of play ground : Rupees Nine Lakhs (Rs 9,00,000)**

**Total : Rupees Fifty Five Lakhs (Rs 55,00,000)**

### **2. Automation of Library**

We wish to have a fully automated central library. After the completion of new library building the automated system using RFID needs to be implemented. The major systems which we plan to implement are RFID handheld reader, RFID security gate, RFID enabled self check out system, touch screen based stand alone multi protocol book drop and Mifare ID cards for each member.

Sl No	Item	Total
1	Supply, Configuration , Installation , Testing And Maintenance of RFID Based Library Automation System	10,00,000
<b>Total</b>		<b>10,00,000</b>

**(Total Rupees Ten Lakhs only)**

### 3. Purchase of Solar Power stations

We have installed solar power units for all our smart class rooms. We wish to extend solar power to our laboratories and administrative office. The estimate is given below.

Sl No	Item	Unit Price	Quantity	Total
1	Solar Power Supply For Library and Lab 5 KVA Supply with 6 Hours Full load back up and sufficient Solar panels	5,00,000	2	10,00,000
<b>Total</b>				<b>10,00,000</b>

**(Total Rupees Ten Lakhs only)**

### 4. Purchase of Computers and work stations

At present the College has a computer lab and network resource center. We plan to strengthen the laboratories with advanced personal computers. Also we wish to strengthen our research laboratory with an advanced workstation for advanced simulation studies.

Sl No	Item	Unit Price	Quantity	Total
1	Personal Computer Core i3, 2 GB RAM, Win 8, Speakers, Head Phone, LCD Screen, DVD Drive Three Year extended Warranty	35,000	10	3,50,000
2	Workstation computer Intel Xeon processor, NVIDIA® Quadro® K4000 supported graphics, 16GB RAM	1,50,000	1	1,50,000
<b>Total</b>				<b>5,00,000</b>

**(Total Rupees Five Lakhs only)**

# **APPENDIX -I**

## **Renovation of indoor stadium**

**APPENDIX -II**

**Construction of Library**

**Building**

## **APPENDIX- III**

# **Renovation of playground**