ATTENDANCE MONITORING SYSTEM FOR MGNREGA

EPICS PROJECT REPORT

Submitted in partial fulfillment of the requirements

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IN

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V R SIDDHARTHA ENGINEERING COLLEGE

(AUTONOMOUS - AFFILIATED TO JNTU-K, KAKINADA)

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CERTIFICATE

This is to certify that this project report titled **"ATTENDANCE MONITORING SYSTEM FOR MGNREGA"** is a bonafide record of work done by **A Srikant Reddy (178W1A1261), A Mahendra (178W1A1262), I Naga Narendra Krishna Sai (178W1A1286), R Ganesh (178W1A12B0)** under my guidance and supervision is submitted in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Information Technology, **V.R. Siddhartha Engineering College** (Autonomous under JNTUK) during the year **2019-2020**.

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ABSTARCT

The main purpose of this project is to reduce the one of the problems faced by the workers who works under MGNREGA in villages. The problem is that every day a group of 30-40members goes to some work, which is based on MGNREGA (Mahatma Gandhi National Rural Employee Guarantee Act). This work is assigned by their leader, who takes attendance on every working day. On this process if anyone is absent on working day, he/she will take their sign on next following day. By this, for those days who are absent to work also get money and the people who worked on that day will lose their money. To store the details of the workers we are using MYSQL data servers and HTML, CSS, PHP codes for creating the web pages. Node MC Module is used to aces the Fingerprint of the worker. After getting the finger it checks for validation and displaying the login details of the worker. By using the Biometric we can reduce the corruption in the MGNREGA Act. Doing this way every worker in this Act will be benefited and satisfied with their money.

CHAPTER 1: INTRODUCTION

1.1 Originof theProblem

The act was first proposed in 1991 by [P.V. Narasimha Rao](#). It was finally accepted in the parliament and commenced implementation in 625 districts of India. Based on this pilot experience, NREGA was scoped up to cover all the districts of India from 1 April 2008. The statute is hailed by the government as "the largest and most ambitious social security and public works programin the world".The workers in this group are under a main leader who is appointed by the higher officials. The leader is taking the attendance of the workers even though they did not attend for the work and the money is equally shared between them.

Mahatma Gandhi Employment Guarantee Act 2005 (or, NREGA NO 42 later renamed as the "Mahatma Gandhi National Rural Employment Guarantee Act", MGNREGA), is an Indian labour law and social security measure that aims to guarantee the right to work This act was passed in September 2005.

It aims to enhance livelihood security in rural areas by providing at least 100 days of wage employment in a financial year to every household whose adult members volunteer to do unskilled manualwork.

1.2 BASIC TERMIOLOGY ANDBACKGROUND

BASIC DEFINITIONS:

SQL:

SQL stands for Structured Query Language. SQL is used to communicate with a database. According to ANSI (American National Standards Institute), it is the standard language for relational database management systems. SQL statements are used to perform tasks such as update data on a database, or retrieve data from a database.

HTML:

Short for Hypertext Markup Language, the authoring language used to create documents on the World Wide Web. HTML is similar to SGML, although it is not a strict subset. HTML defines the structure and layout of a Web document by using a variety of tags and attributes.

PHP:

The PHP Hypertext Preprocessor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. This tutorial helps you to build your base with PHP.

Java Script:

JavaScript is a lightweight, interpreted **p**rogramming language. It is designed for creating network-centric applications. It is complimentary to and integrated with Java. JavaScript is very easy to implement because it is integrated with HTML. It is open and cross-platform. Java Script it helps you developing great front-end as well

as back-end software using different JavaScript based frameworks like jQuery, Node.JS etc.

Cascading Style Sheet:

CSS is used to control the style of a web document in a simple and easy way.**CSS** is the acronym for **"Cascading Style Sheet"**. This tutorial covers both the versions CSS1, CSS2 and CSS3, and gives a complete understanding of CSS, starting from its basics to advanced concepts.

Node MCU Module:

Node MCU is an open source development board and firmware based in the widely used ESP8266 -12E Wi-Fi module. It allows you to program the ESP8266 Wi-Fi module with the simple and powerful LUA programming languageor Arduino IDE.

R305 Fingerprint Module:

R305 Fingerprint Module is a serial fingerprint scanner which can be directly connected to the PC's com port. R305 Fingerprint Sensor can easily be connected to any controller via MAX232 IC. This Fingerprint scanner is capable of storing and comparing the fingerprint and accordingly giving the desiredoutput.

MGNREGA-Mahatma Gandhi National Rural Employment Guarantee Act

1.3 PROBLEMSTATEMENT:

Village peoples are doing work in MGNREGA and getting wages according to their work. In this for every 30 members a leader will be allotted by the government. These leaders will take the attendance daily and guide the people to do work. Some leaders are misusing their job and giving attendance even though they did not came to do work.

1.4 REAL TIME APPLICATIONS OF PROPOSEDWORK

WATER CONSERVATION:

In rain fed area for water conservation/ harvesting, the work should be planned on watershed approach i.e. planning and treating the area on ridge to valley concept. Work should start from ridge, only than it will be durable and effective. Rain fed area generally consists of Arable land, Non arable land and Forest land.

Water conservation in Arable area:

Arable area consists of area under cultivation and the treatment required are BUNDING (contour bunding/ graded bunding) and bench terracing depending on rainfall and general slope of the area to be treated.
Water conservation in non-Arable area:

It consists of areas not under cultivation and it is waste land, forest land, and common land. Treatments required are contour trenches, staggered trenches, box trenches and vegetative barrier etc.

WATER HARVESTING:

Water Harvesting By Constructing Check Dams:

Drainage line, i.e. starting from gully to drain outlet formed by runoff water and treatment required are different type of Check Dam starting from brush check Dam to the Pucca Check Dam i.e. Earthen Check Dam and Pucca Check Dam, Stop Dam, Anicutetc.,

Figure 1.4.1 Water Harvesting

It is a good structure. Suggested that looking to the site, the location of structure in the downstream side would have been more economical i.e. with less cost more storage would have been possible, because of narrow opening available.

Figure 1.4.2 Construction of Dams

TREE PLANTATION:

The road side horticulture plantation, where ever the climate and soil are suitable for particular horticulture seeded plants, can be made under MGNREGS. The tree guard should be made of local available material but with sufficient strength and quality, so that the tree guard survives at least for 7 years or till the plants grow to a height beyond the reach of cattle's/ to sustain without guard. If local available low cost material like bamboo and brushes etc. is available than instead brick tree guard the tree guard of local available material should be preferred. The fencing in energy block plantation that too road side has to be strong enough and durable. The provision for maintenance as per the requirement of different species of the plants should be the part of the estimate forplantation.

FLOOD CONTROL AND PROTECTION WORK INCLUDING DRAINAGE IN WATER LOGGED AREAS:

Flood Control:

The authority issuing AP should ensure that the required survey and design has been made and is in order. The authority issuing AP should also visit work site to ensure that the selection of work site and execution is as per the AP. For construction of erosion protection & flood control measures, the survey of the river to work out the size of stream, direction of stream should be worked out and accordingly design for the measures should be made. Deflectors (spurs) are more important than the bunds on the river bank. Bunds on the river bank if constructed should be supported by deflectors(spurs).

Protection Work:

A.P issuing authority should ensure the measures required to tackle the problem, through Survey, design, and working out need & cost benefit ratio. In this case instead pitching of the river bank, Deflectors (spurs) should have been constructed. Such work should be carried out after proper survey, planning and design with respect to stream size, stream direction and longitudinal section of the river in the reach to be treated. Deflectors (spurs) are more important than the pitching of the river bank. Pitching of the river bank if carried out, should be supported by deflectors (spurs).

CHAPTER-2 REVIEW OF LITERATURE

2.1 Literature Survey:

Paper 1

G. Chandra Ph. D. Research Scholar "A Study on Mahatma Gandhi National Rural Employment Guarantee Act Opportunity and the Corruption (MGNREGA)" *international Journal of Management Research and Social Science (IJMRSS) ISSN 2394-6407 Volume 2, Issue 1, January - March 2015 ISSN2394-6415*

The Government of India has introduced many employment generation programs to eradicate poverty and unemployment, since in 1980. Many of the employment program failed due to the common problems of ineffective targeting, leakages and poor quality asset creation, etc. Hence, while developing rules and guidelines for implementation of the MGNREG Act 2005, more attention should be paid to the lessons we have learnt from past experiences. Because this act has the potential not only to strengthen social security in India, this program will generate work for the poorest; it is also an opportunity to increase the stranded of living, but also there is corruption in the MGNREGA, no question about that. But simple indices that claim to measure corruption and make an assessment of interstate levels of corruption can end up offering us a wrong understanding. In countries at all stages of development. So we will eradicate the corruption in our country in our country become a very big developed country in the world.

Drawbacks:

Here they are not implemented any biometric device for their project to recognize the fingerprint.

Paper 2

A.**Santhhappan** Ph. D. Research Scholar "**Job Cards in MGNREGA Registered**
International Journal of Trend in Scientific Research and Development(IJTSRD).

The   flagship program of the Indian Government MGNREGA (Act) is
aiming at enhancing the livelihood security of the rural households through
guaranteed 100 days of manual wage employment in a fiscal year to its adult
member, who is willing to do manual work. There is a registration process
involved to obtain job cards for benefiting from this program. Even though
the process looks like simple steps, it involved time, labor and money the
intended beneficiaries to register and obtain the job cards. Insufficient clarity
and understanding from the parts of both the implementers and beneficiaries,
more people than the actual beneficiaries have registered and obtained job
cards under this scheme, through which the implementers spent lot of time,
energy and money on providing the job cards as well as keeping the data
base. This article analyses the cause and effect of more number of registration
and brings out some suggestions to avoid over burdening with more data and keep
the beneficiaries with more clarity on the program for effective
participation.

Paper 3

Rajesh Sharma, DR. Manish Diswania, "PERFORMANCE ANALYSIS OF
MGNREGA" *ENITH International Journal of Business Economics & Management
Research_ISSN2249-8826ZIJBEMR,Vol.3(8),August(2013)*150

Rural Development is the one of the major objectives of the socio-economic programimplemented by the Central and State governments in India. Some of the program are very much target oriented and playing vital role in this area. MGNREGA (Mahatma Gandhi National Rural Employment Guarantee Act) is one of the programwho has attained considerable recognition among rural masses and significantly uplifting the livelihood by creation of new jobs and involving rural people in some of the States. This study revealed that there is a noteworthy improvement in the awareness level among the beneficiaries in rural areas and positive effects of much target oriented and playing vital role in this area. MGNREGA (Mahatma Gandhi National Rural Employment Guarantee Act) is one of the program who has attained considerable recognition among rural masses and significantly uplifting the livelihood by creation of new jobs and involving rural people in some of the States. This study revealed that there is a noteworthy improvement in the awareness level among the beneficiaries in rural areas and positive effects these program especially in villages can be identified. Now rural local bodies such as Gram Panchayats are also actively participating in the rural development process. In this paper an attempt has made to evaluate the financial and physical progress under MGNREGA in the District Jind of Haryana State. The positive impact of MGNREGA in Jind district cannot be ignored; which is an encouraging indicator for State and Central governments. It has also been suggested in the paper that; in future, more such target oriented programmers should be implemented so that, the gap between poor and rich and rural and urban areas could be bridged.

2.2 Summary Of LiteratureSurvey

Thus, from the above discussion we can conclude that the government is now more serious about the poverty eradication from India. The government of India has also taken significant steps towards enhancing the participation of grass root bodies in the implementation of poverty alleviation program. The socio-economic program are now more targets oriented and putting direct assault on poverty.

CHAPTER 3: PROPOSED WORK

3.1 DesignMethodology

The project is mainly based on village people so the leader takes a main role in taking the attendance of the workers. Here Parallelogram represents the worker details and oval shape represents the fingerprint device and the field in the rectangle represents the login and Details after successful login. Here at the end the worker details are displayed in the page in which time they are came to the work and time of leaving the worker on a particular day.
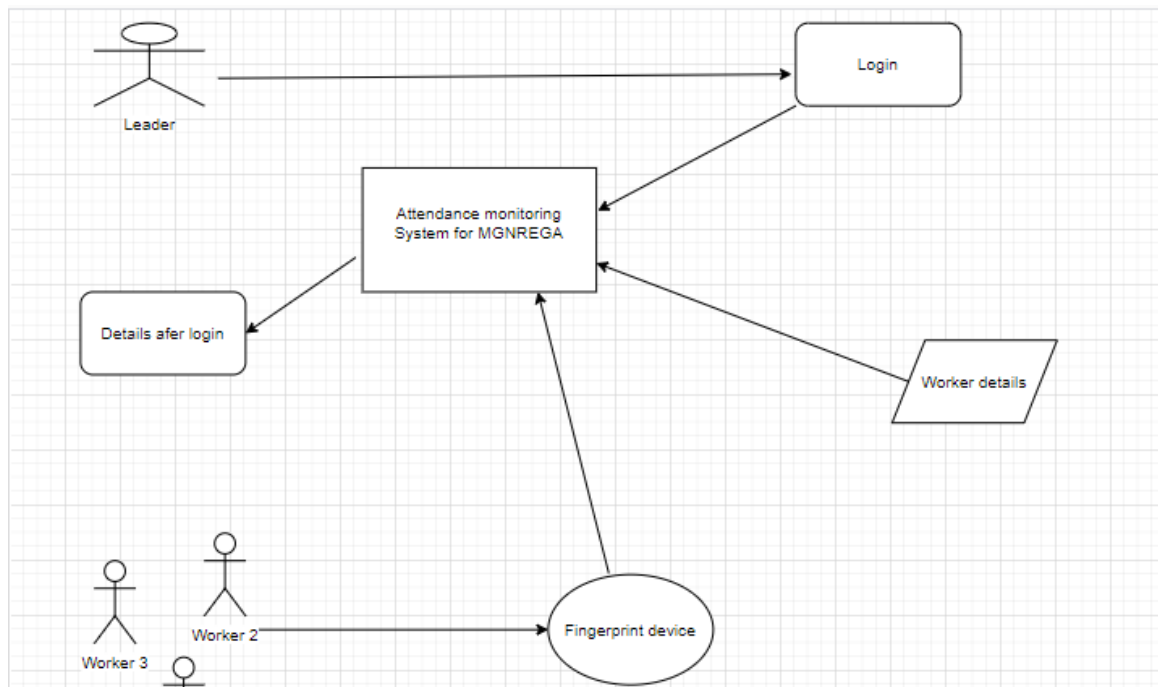

Figure 3.1 UML Representation

In this project the leader have an accessibility to login the site to recognize the fingerprint of the worker. Worker details will display after the successful login.
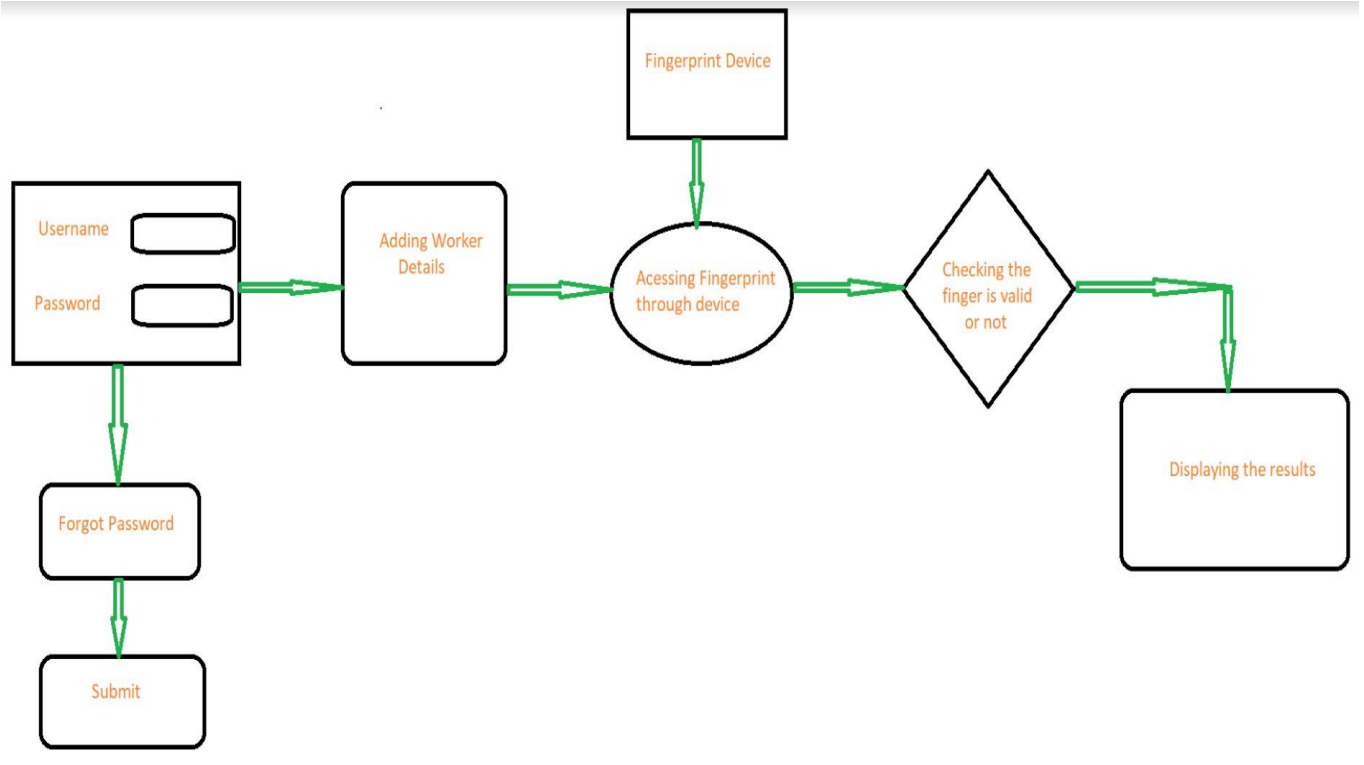
3.2 System Architecture Diagram:

Figure 3.2 Architecture Diagram

Whenever the leader login in to the website then workers who are under the leader will be displayed. Every worker will add their finger print in the start of the work and that time is automatically updated in the table. At the end of the work also add their fingerprint and log out with the work.

All the data regarding the worker is stored in the database tables and the timings which they come and leave also stored in the database. The daily report is send to the higher authorities in the form of Excel sheet. We can share the database information in the form of excel sheet. Whenever you want to check the workers list you can easily check and share thatinformation.

3.3 Procedure

➢ The Leader will belogin to the website (MGNREGA) with his credentials.

➢ After his successful login, the workers who are assigned to him will be displayed.

➢ Now he will take the fingerprint of each worker who are attended to that work.

➢ Finally the report will be displayed as digital form i.e., number of workers attended and number workers not attended on thatday.

3.4 Description ofdataset:

We collected the dataset of workers in vallurupallem village. In this dataset the attributes are like name of the worker, worker village, worker gender, worker number..etc.

We used MYSQL servers to store the details of workers and html codes for creating web pages.

Figure 3.4.1 Workers Dataset

CHAPTER 4: RESULTS AND OBSERVATIONS

4.1 Stepwise description of Results andObservations:-

- The Leader will be login to the website (MGNREGA) with his credentials.

Figure 4.1.1: Login page of the leader

- After his successful login, the workers who are assigned to him will bedisplayed.

Figure 4.1.2 Workers information

- Now he will take the fingerprint of each worker who are attended to that work.

Figure 4.1.3 Fingerprint Device

- If the fingerprint matches with that worker data then attendance will be provided to that worker for thatday.

ID	NAME	SERIAL NUMBER	FINGERPRINT ID	DATE	TIME IN	TIME OUT
18	bhuvan	5656	63	2020-03-19	09:29:43	09:29:55

- Finally the report will be displayed as digital form i.e., number of workers attended and number workers not attended on thatday.

HERE ARE THE USERS DAILY LOGS

19-03-2020

Select Date

Export to Excel

ID	NAME	SERIAL NUMBER	FINGERPRINT ID	DATE	TIME IN	TIME OUT
18	bhuvan	5656	63	2020-03-19	09:29:43	09:29:55
17	aswanath	3754	108	2020-03-19	09:27:02	09:27:07
16	ganesh	788779	67	2020-03-19	09:23:59	00:00:00
15	sampath	5560	75	2020-03-19	09:22:33	09:22:39
14	dhanvanth	6246	89	2020-03-19	09:20:14	09:20:24
13	ganesh	788779	67	2020-03-19	09:16:43	09:16:51

Figure 4.1.4: Daily login data of the worker

- We can also display the weekly reports of the worker i.e., number of workers who attended and number workers not attended on theweek.

Figure 4.1.5 Weekly report of the worker

- We can also display the monthly reports of the worker i.e., number of workers who attended and number workers not attended on themonth.

Figure 4.1.6 Monthly report of the worker

4.2 Test caseresult

The test case results are like login details of workers, displaying the worker details, taking fingerprint from the user, displaying the time and date of the worker login and logout details.

Test case id	Test cases	Priority	Preconditions	Input test data	Steps to be executed	Expected results	Actual results
1	Test if user is able to login successfully.	A	User must be registered already	Correct username, correct password	1)Enter input(correct)user name and password on the respective fields 2)click submit/login	User must successfully login into the webpage	(note down results you have observed)
2	Test if unregistered users is not able to login to the site	A		Incorrect username, incorrect password	1)Enter input(correct)user name and password on the respective fields 2)click submit/login	Proper error must be displayed and prompt to enter login again	(note down results you have observed)
3	Test with valid username and empty password such that login must get failed	B	Usermust registered already	Valid username and empty password	1)Enter the valid username in user id and enter the no password in password field	Proper error must be displayed and prompt to enter login again	(note down results you have observed)
4	Test with empty username and valid password	B	Registered user's password	Empty username and valid password	1)leave the username empty in the user id and enter a valid	Proper error must be displayed and prompt to enter	(note down results you have observe

	such that login must getfailed				user's password in thepassword field	login again	d)
5	Test with empty username and empty password and check if login fails	A	-	-	1)Enter nothing in the mail id and password field 2)click submitbutton	Proper error must be displayed and prompt to enter loginagain	
6	Check of the password is masked on the screen i.e., password must be in bullets or asterisks	B	-	Some password (can be a registered /unregiste red)	1)Enter the password field with some characters	The password field should be display the characters in asterisks or bullets such that the password is not visible on the screen	
7	Check if the login function handles case sensitivity	B	Registered user's password which is originally in lower case changed to upper case or viceversa	Case changed username /password	1)Enter the case changed username/pas sword in the respective field and 2)click login button	Login must fail saying incorrect username/p assword	
8	After logging in	B	-	Registere d user's	1) Enter usernameand	Password shouldn't	

				login id and password	password in the respective fields. Copy the password field's content (which isin *s) 3)paste the content on another screen	get pasted / password should not be visible on the screen	
	try to copy/cut the password and paste it on another screen (passwords are usually in * such that its not visible on thescreen)						
9	Verify account lock	B	-	Registered user's login id and in correct password	1)Try to login with a registered username and incorrect password for more than 3 times	Account should be locked and access should be granted only after getting certain assurance from the user	
10	Check if on selecting back button (after logging out) if the user not signed in	B	-	Registered username and password	1)Login with registered username and password 2)once your are logged in, sign out of the site 3)now press back button	User shouldn't be signed in to his account rather a general webpage must be visible	
11	Verify the url without logging into	¤	-	Registered username	1)login to the site using registered	The url should not redirect to	

	the site			and password	username and password 2)copy and save the url of the logged in page 3)log out of the site 4)now paste the copied url on the browser	logged in page but to a logged out page of the site
12	Automatic logout of the site when pressing backspace button	B	Username must be registered already	Registered username and password	1) Login to the site using registered username and password 2) now press backspace.	User must logout of the site properly

4.3 Field workdetails

For this type of project the suitable fields are near the canals, beside the rivers, besides the road. In this we select the area which is empty and not used for irrigation facilities.

We are batch-25 students visited vallurupalem village near Vuyuru. We asked the workers about how the attendance taken and the entire how money is distributed among them. If anyone is absent on a day then attendance will be provided to that person by taking some bribery. So the people who work that day will lose their money for their work.

Daily workers went to these places and do some works likesconstructing small dams, small pots to store water, water harvesting, floodcontroling

works,etc. The men's in the picture are plundering the soil and the women's are throwing this soil at some distance of them.

After doing the work at that place finally it changes to the land is seeing in the above picture. It may take time like 3 weeks to get this pole based on the land. In rainy season the water is stored for some days in the pole to utilize for field works and to store the underground water.

Leader will take the attendance of the worker in a book like in above picture after the completion of the work.
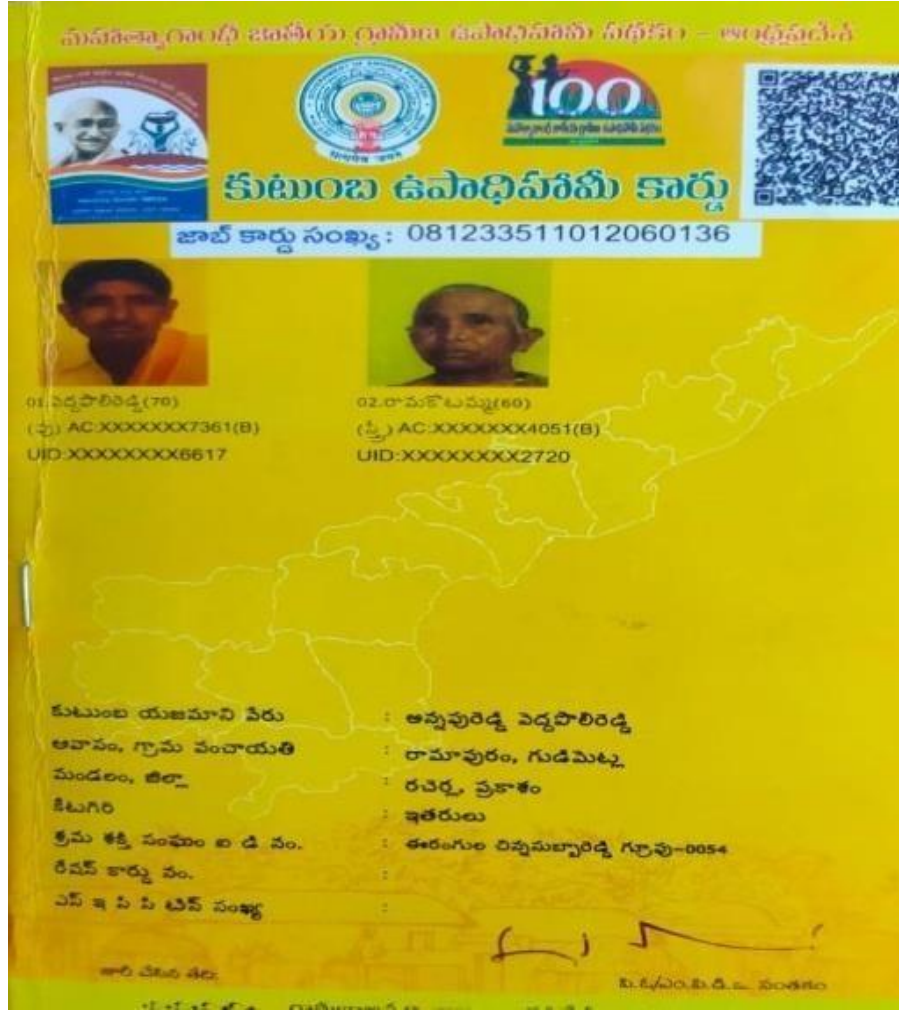
This is the book given by our Government to every worker in the MGNREGA Scheme. These type of are given to every worker which contains all the details of the worker and the photograph of the worker.

మహాత్మాగాంధీ జాతీయ గ్రామీణ ఉపాధి హామీ పథకములో వేతనదారులు పొందే సౌకర్యాల

1. జాబు కార్డు కలిగివున్న వేతనదారు కుటుంబం ఒక ఆర్థిక సంవత్సరంలో 100 రోజులు నఫుడ లేని పని పొంది ప్రభుత్వం నిర్దేశించిన వేతనము పొందవచ్చు.

2. పని ప్రదేశంలో త్రాగునీరు, నీడ, ప్రథమ చికిత్స, ఎట్ట, పిల్లల సంరక్షణకు ఒక ఆయా వ సౌకర్యాలు కల్పించటం జరుగుతుంది.

3. స్త్రీ, పురుషులకు సమాన వేతనాలు, బాలింతలు పనికి హాజరైనట్లైతే 90 రోజులపాటు వేతనా అదనంగా రోజుకు రూ 10/- చొప్పున ప్రోత్సాహకం చెల్లించబడుతుంది.

4. వేసవి కాలంలో వేతన దారులకు 20% నుండి 30% అదనపు వేతనాలు చెల్లింపు.

5. విభిన్నప్రతిభావంతులు(వికలాంగులు) 30% తక్కువ పని చేసినా సకలాంగులతో సమానమై వేతనము చెల్లించ బడుతుంది.

6. 100 రోజులు పని పూర్తి చేసుకున్న వేతనదారు కుటుంబంలోని 18 నుండి 3 సంవత్సరాలు(SC/ST వికలాంగులకు10 సంవత్సరాల సడలింపు) కలిగిన యువతీ యువకు నైపుణ్యాల పెంపుదలకు LIFE ప్రాజెక్ట్ ద్వారా శిక్షణ.

7. పని ప్రదేశంలో పని చేస్తున్నప్పుడు గాయాలు అయితే ఆసుపత్రి లో ఉన్న రోజలకు, చికిత్స అయ్యే ఖర్చు పథకం నుండి ప్రభుత్వమే భరిస్తుంది.గాయపడిన వ్యక్తి మామూలుగా పని చేస్తే వచ్ వేతన మొత్తంలో50% తగ్గకుండా రోజు వారి భత్యం కూడా చెల్లిస్తారు.

8. పని ప్రదేశంలో ప్రమాదం కారణంగా మరణించినా లేదా శాశ్వత అంగ వైకల్యం ఏర్పడినా రూ 50000/- చెల్లిస్తారు.

9. 50 రోజుల పని దినాలు పూర్తి చేసుకున్న వేతనదారులు అందరికి చంద్రన్నభీమా పథకము వర్తింపు.

10. అటవీ హక్కుల చట్టం 2006 కింద భూములు పొందిన లబ్దిదారులకు(RoFR) అదనముగా ఒక ఆర్థిక సంవత్సరంలో 50 రోజుల ఉపాధి పొంద వచ్చు. కరువు పీడిత ప్రాంతాలుగా ప్రకటించ బడిన మండలాలలో 50 రోజులు అదనపు ఉపాధి కల్పన.

ఈ పథకము అమలుపై ఫిర్యాదులకు ఈ దిగువ ఫోన్ నంబర్లను సంప్రదించవచ్చును.

| ప్రాజెక్ట్ డైరెక్టర్ జిల్లా నీటి యాజమాన్య సంస్థ, ప్రకాశం 08592-234572 | ప్రాజెక్ట్ డైరెక్టర్ డి.ఆర్.డి.ఎ. ప్రకాశం 08592-231503 | చీఫ్ ఎగ్జిక్యూటివ్ ఆఫీసర్ జిల్లా ప్రజా పరిషత్, ప్రకాశం 08592-222773 | ప్రాజెక్ట్ ఆఫీసర్ ఐ.టి.డి.ఎ. |

టోల్ ఫ్రీ నంబర్:1100 మరియు 1800 425 4440

⋆⋆⋆⋆ గ్రామీణాభివృద్ధి శాఖ – ఆంధ్రప్రదేశ్ ⋆⋆⋆⋆

This is the back side of the book and contains some instructions by the government to the people and some benefits which are governments is providing to the workers in MGNREGA Act.

క్రమ సంఖ్య	పని చేసిన వ్యక్తి పేరు	పని చేసిన కాలం		పని చేసిన దినముల సంఖ్య							
		తేది నుండి	తేది వరకు								
1	2	3	4	5	6	7	8	9	10	11	12
1	Aదినరాంజనయ్య	14-6-24	20-6-24	2	—	70332	378	22-6-24	15	2489	
2	Aవే శ్రీరాములు	3-5-24	9-5-24	1	—	70337	108	11-5-24	16	2597	
3	Aదినరాంజనయ్య	3-5-24	9-5-24	3	—	70333	620	11-5-24	20	3217	
4	Aదినరాంజనయ్య	24-5-24	30-5-24	2	—	70332	422	2-6-24	22	3639	
5	Aవే శ్రీరాము	24-5-24	30-5-24	2	—	70332	442	2-6-24	24	4081	
6	Aవే శ్రీరాము	31-5-24	6-6-24	3	—	70332	508	8-6-24	27	4589	
7	Aదినరాంజనయ్య	31-5-24	6-6-24	3	—	70332	538	8-6-24	30	5127	
8	Aవే శ్రీరాము	10-5-24	16-5-24	3	—	70333	456	18-5-24	33	5583	
9	Aదినరాంజనయ్య	10-5-24	16-5-24	2	—	70333	233	18-5-24	35	5816	
10											

Leader will maintain this type of books and take signature of every worker daily. In that book he/she will wrote all details like from which time worker works in the field, how many days he/she will worked, how much money paid to worker and all the details of the work.

CHAPTER -5 CONCLUSIONS AND FUTURE STUDY

5.1 Conclusion

MGNREGA is landmark legislation in the history of social security legislation in India after independence. Mahatma Gandhi NREGA is a very good step from the Government to reduce unemployment. MGNREGA is a well thought out legislation, a powerful tool in the hands of the rural people to get their basic livelihood. MGNREGA has produced benefits for rural India, particularly through the provision of extra income during tough times. Impact of the MGNREGA, evidence clearly indicate that thescheme has impact on the income, expenditure pattern, savings, migration, assets creation in the village, assets creation on the private lands of SCs and STs, status of women and social relationship. MGNREGA has also brought in benefits to the households as well as to the community. MGNREGA has brought positive changes in the respondents in terms of house, increase monthly household income, education, increase monthly expenditure on food items, improvement in fuel use for cooking, improvement in the source of drinking water, improvement in the use toilet facility and reduction in social evils like untouchability. Convergence of MGNREGA with education and health departments lead to better human development in Rajasthan. MGNREGA also has brought positive changes in the respondents in terms of employment opportunities, living standard of the rural poor, rural connectivity, economic independence to rural women, increased purchasing power, providing economic safety, no gender discrimination in the allocation of work etc. The distinctiveness of MGNREGA is in the fact that it carries emphasis on issues likeequality of

wages for men and women, elimination of contractors, creating transparency in muster roll and payment of wages only through bank and post office accounts to prevent corruption. The assets built under MGNREGA have to be targeted to better serve the needs of the local population. There needs to be a blueprint that clearly outlines the essential infrastructure for each district, block and village and the scheme should be used as a 175 tool to create this infrastructure. A positive side, there has been a rise in employment days and wages in Rajasthan. There has been some good work done under MGNREGA. MGNREGA is firmly here to stay and will help serve a very important purpose of providing a lifeline to poor and underemployed rural people. But the administration needs to show more seriousness and professionalism in its attitude towards the scheme

5.2 Futurestudy

We developed biometric attendance system for MGNREGA by recognizing the finger of the user it takes the attendance of the worker and gives the result whether he/she is present or not. In future we have to develop the automatic sending message format to the worker mobile number whether he/she is absent or present to the work or not by sms package and also we have to set the particular time for login of the worker to login only in between the time(like 8 Am to 9Am)

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APPENDIX:

```
<!DOCTYPE html

<html>

<head>

<title>Users</title>

<link rel="stylesheet" type="text/css" href="css/Users.css">

<script>

  $(window). On("load resize ", function() {

   var scrollWidth = $('.tbl-content').width() - $('.tbl-content table').width();

    $('.tbl-header').css({'padding-right':scrollWidth});

}).resize();

</script>

</head>

<body>

<?php include'header.php'; ?>

<main>

<section>

<!--User table-->

<h1 class="slideInDown animated">Here are all the Users</h1>

<div class="tbl-header slideInRight animated">

<table cellpadding="0" cellspacing="0" border="0">

<head>

<tr>
```

```php
<th>ID | Name</th>

<th>Serial Number</th>

<th>Gender</th>

<th>Finger ID</th>

<th>Date</th>

<th>Time In</th>

</tr>

</thead>

</table>

</div>

<div class="tbl-content slideInRight animated">

<table cellpadding="0" cellspacing="0" border="0">

<body>

<?php

    //Connect to database

require'connectDB.php';


    $sql = "SELECT * FROM users WHERE NOT username='' ORDER BY id
DESC";

    $result = mysqli_stmt_init($conn);

    if (!mysqli_stmt_prepare($result, $sql)) {

      echo '<p class="error">SQL Error</p>';

    }
```

```php
else{

mysqli_stmt_execute($result);

          $resultl = mysqli_stmt_get_result($result);

        if (mysqli_num_rows($resultl) >0){

            while ($row = mysqli_fetch_assoc($resultl)){

    ?>

<TR>

<TD><?php echo $row['id']; echo" | " ; echo $row['username'];?></TD>

<TD>< php echo $row['serialnumber'] ;?></TD>

<TD><?php echo $row['gender'];?></TD>

<TD><?php echo $row['fingerprint_id'] ;?></TD>

<TD><?php echo $row ['user_date'] ;?></TD>

<TD><?php echo $row['time_in'] ;?></TD>

</TR>

<?php

            }

         }

         }

      ?>

</body>

</table>

</div>

</section>
```

```
        </main>

    </body>

</html>
```