



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

## APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:29-11-2020

Department	CIVIL ENGINEERING	Application No.	202020034
Area of Research	CONCRETE TECHNOLOGY	Research Mode	FULL TIME

Name :RAHUL R

Date of Birth / Age :25-05-1983 / 37 Years

Gender :MALE

Category :OC

e-Mail ID :rahulradr@gmail.com

Mobile :9447908083



Father's/Husband's Name	P K RAJENDRAN NAIR	Father's/Husband's Occupation	RETIRED GOVT.SERVANT
Family Income	500000	Residential Type	RURAL
Birth Place	ADOOR	Mother Tongue	MALAYALAM
Religion	HINDU	Marital Status	MARRIED
Aadhaar No.	763737375660	PAN No.	ATSPR1211M
Physically Challenged	NO	Type of Disability	-
Address for Communication: PUTHETHU VEEDU KONNAMANKARA ADOOR PATHANAMTHITTA DISTRICT KERALA INDIA Pin-691523		Permenant Address: PUTHETHU VEEDU KONNAMANKARA ADOOR PATHANAMTHITTA DISTRICT KERALA INDIA Pin-691523	

Qualification						
Degree	Discipline	College/university	Year Passed	AVG/CGPA	Class	Mode
DIPLOMA	CIVIL	KERALA TECHNICAL EDUCATION BOARD	2003	73.04	FIRST	REGULAR
B-TECH	CIVIL	MG UNIVERSITY	2008	72.46	FIRST	REGULAR
M-TECH	ENVIRONMENTAL ENGINEERING	CALICUT UNIVERSITY	2012	7.04	FIRST	REGULAR
SSLC	ALL	KERALA STATE	1998	63.5	FIRST	REGULAR

Experience				
Organization	Designation	Experience From	Experience TO	Work Nature
SREEBUDDHA COLLEGE OF ENGINEERING	LECTURER	2008-08-01	2010-08-30	LECTURER
LOCAL SELF GOVT. DEPARTMENT	ASSISTANT ENGINEER	2012-09-19	2019-12-31	CIVIL JOBS
PUBLIC WORK DEPARTMENT	ASSISTANT ENGINEER	2020-01-01	1970-01-01	CIVIL JOBS

Payment Details
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Transaction ID	Reference	Date of transaction	Amount	Status
202020034_201202162551	VSBI9521250499	02-12-2020	600	SUCCESS

## Properties of nanomaterial's in concrete

This paper discussed on the nano materials in concrete. Nowadays, the application of nano materials has received numerous attentions to enhance the conventional concrete properties. Eventually, the introduction of nano materials in concrete is to increase its strength and durability. Nano material is defined as material that contains particle size which less than 200 nm. For the purpose of concrete study, the nano materials must be at least 500 nm in size. The addition of ultrafine nano material will help to reduce the cement content by partially replacing cement on weight basis to improve the binding effect. The ultrafine particles of nano material will also help reduce the formation of micro pores by acting as a filler agent, producing a very dense concrete and automatically reduce the growth of micro pores in the structures. Moreover, this paper aims the analytical and structural study of nano materials in concrete.

Register No.  
&  
Year

136255

May 2008

# Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg.C1/85/Law, dated 17th April 1985)



## FACULTY OF ENGINEERING & TECHNOLOGY

*The Syndicate of the Mahatma Gandhi University*

*hereby makes known that*

**Rahul . R**

*has been admitted to the*

*Degree of Bachelor of Technology*

*under*..... **Civil** ..... *Branch*

*he/~~she~~ having been certified by duly appointed examiners to be*

*qualified to receive the same, and having been by them placed*

*in the*..... **First Class** ..... *at the*

*examination held in*..... **May 2008** .....

*Given under the seal of the University.*

University Buildings  
Priyadarshini Hills P.O.  
Kottayam - 686 560  
Kerala, India

Dated **29 January 2009**



  
Vice-Chancellor



**STATE BOARD OF TECHNICAL EDUCATION**

This is to certify that.....

*RAHUL R*

is awarded the Diploma in.....

*Civil Engineering (Three Year Course)*

he/she having completed the prescribed course of study  
in the..... *N.S.S. Polytechnic College, Pandalam*

and having passed the Final Examination held in

..... *April*..... *2003* / *200*..... He/She is placed

in the..... *First*..... *Class.*



*V. Sivaraman*

**V. SIVARAMAN**  
**JOINT CONTROLLER OF TECHNICAL EXAMINATIONS (KERALA)**  
(Issued on behalf of the State Board of Technical Education, Kerala.)

Thiruvananthapuram,

... 27 - 9 - 2003 ...

യൂണിവേഴ്സിറ്റി ഓഫ് കലിക്റ്റ്



# UNIVERSITY OF CALICUT

## FACULTY OF ENGINEERING

Whereas it has been certified by duly appointed Examiners that

**Rahul. R.**

is qualified to receive

the Degree of Master of Technology (M.Tech.)

in Branch *Environmental Engineering*

he having been placed in **First** Class with

Cumulative Grade Point Average (CGPA) *7.04*

at the Examination held in **July 2012** (Reg.No. **ETAKCCE012**)

The Senate of the University of Calicut hereby confers on him

the Degree of

*Master of Technology*

with all the Rights, Privileges and Honours thereunto appertaining.

Given under the seal of the University

**Vice Chancellor**



CALICUT UNIVERSITY P.O.  
Kerala, INDIA  
PIN - 673 635

Date.....10/10/2013.....

**Nº 0424093**



# Mahatma Gandhi University

## LATERAL ENTRY

Book No : 20  
 Section : EI - XXIV  
 Register No. 136255



Serial No: 26  
 KOTTAYAM,  
 Dated: 18 AUG 2008

### MEMORANDUM

The following marks were awarded to Shri / Smt... Rahul R .....  
 at the Eighth Semester (Final) B. Tech. Degree Examination held in ..... May ..... 2008  
 Branch : Civil Engineering

SUBJECTS	Marks awarded	Minimum marks required for a pass		Maximum marks
		Complete pass	Pass in individual subject	
A. Advanced Structural Design	Written 71 Sessional 50 Total 121	40	40	100
B. Finite Element Analysis	Written 52 Sessional 46 Total 98	40	40	100
C. Building Technology and Management	Written 54 Sessional 43 Total 97	40	40	100
D. Environmental Engineering II	Written 63 Sessional 44 Total 107	40	40	100
E. Elective - II <u>Advanced Foundation Design</u>	Written 55 Sessional 45 Total 100	40	40	100
F. Elective - III <u>Traffic and Transportation planning</u>	Written 73 Sessional 41 Total 114	40	40	100
G. Environmental Engineering Lab	Practical 73 Sessional 46 Total 119	40	40	100
H. Project and Seminar	Sessional 87	—	—	100
I. Viva - Voce	27	20	25	50
<b>Grand Total</b>	<b>870</b>	<b>600</b>	<b>—</b>	<b>1200</b>
<b>III to VII Semesters</b>				
Carry over marks of I & II to VII Semesters	4347	—	—	6000
<b>Aggregate</b>	<b>5217</b>	<b>—</b>	<b>—</b>	<b>7200</b>
<b>Aggregate in words</b>	<u>Five Two One Seven</u>			

**Pass Minimum :** Complete Pass: 40% of Written / Practical for each subject and 50% of overall aggregate.  
 Pass in Individual Subject: 40% of Written/Practical and 50% of the total of each subject.

Marks entered by : Saleem  
 Marks checked by : [Signature]  
 Section Officer : [Signature]  
 Asst. Registrar :

CONTROLLER OF EXAMINATIONS

Serial No.: 01199



GOVERNMENT OF KERALA

**DEPARTMENT OF TECHNICAL EDUCATION**  
**DIPLOMA EXAMINATION IN ENGINEERING / TECHNOLOGY**

(Revision '97)

**MARK LIST**

Branch & Year : Civil Engineering III YEAR  
Name of Candidate : RAHUL R  
Month & Year of Exam : APR 2003 Register No. : 80010259

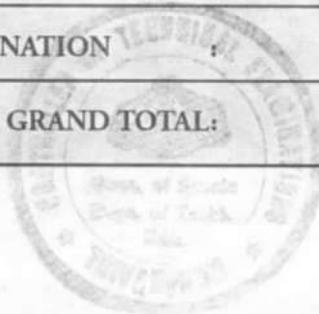
THE MARKS OBTAINED BY THE CANDIDATE IN THE DIPLOMA EXAMINATION ARE GIVEN BELOW

Subject Code	Subject title	MARKS AWARDED			Result	Total in words
		Written	Internal	Total		
3001	STRUCTURAL ENGG.	80	21	101	PASS	ONE ZERO ONE
3002	TRANSPORTATION ENGG.	76	20	96	PASS	NINE SIX
3003	ENVIRONMENTAL ENGG.	82	19	101	PASS	ONE ZERO ONE
3004	QUANTITY SURVEYING II & BUILDING VALUATION	71	22	93	PASS	NINE THREE
3005	BUILDING TECH. & CONSTRUCTION MANAGEMENT	66	19	85	PASS	EIGHT FIVE
3006	CIVIL ENGG. DRAWING II	61	40	101	PASS	ONE ZERO ONE
301	S.M & SOIL MECHANICS LAB	66	46	112	PASS	ONE ONE TWO
302	CONCRETE & PUBLIC HEALTH ENGINEERING LAB	81	44	125	PASS	ONE TWO FIVE
303	CIVIL ENGINEERING WORKSHOP	73	40	113	PASS	ONE ONE THREE
304	PROJECT WORK & VIVA-SEMINAR	76	63	139	PASS	ONE THREE NINE

TOTAL SUBJECTS: 10	TOTAL :	1066	(ONE ZERO SIX SIX)
MARKS CARRIED FROM SECOND YEAR EXAMINATION		980	(NINE EIGHT ZERO)
GRAND TOTAL:		2046	(TWO ZERO FOUR SIX)

Office of the Controller of Technical Examinations,  
Thiruvananthapuram.

Date : 02/08/2003



*V. Sivaraman*  
V.SIVARAMAN

**JOINT CONTROLLER**  
Board of Technical Examinations  
Kerala State



## POST GRADUATION PROGRAMME UNDER CREDIT SEMESTER SYSTEM

## FINAL GRADE SHEET

Date : 16.01.2013

NAME OF PROGRAMME: MASTER OF TECHNOLOGY IN CIVIL  
ENGINEERING - ENVIRONMENTAL  
ENGINEERING

NAME OF CANDIDATE: RAHUL R.

REGISTER NO. : ETAKCCE012

MONTH&amp;YEAR : JULY, 2012

The following is the cumulative grades awarded to the candidate at the Final Semester Degree Examination(CUCSS) , JULY 2012

Course Code	Course Title	Credits	Letter Grade	Credit Point	Date Of Exam
<b>SEMESTER I</b>					
CEE10 101	APPLIED STATISTICS	4	C	28.00	3/2011
CEE10 102	ENVIRONMENTAL CHEMISTRY	4	C	28.00	3/2011
CEE10 103	ENVIRONMENTAL MICROBIOLOGY	4	D	24.00	3/2011
CEE10 104	PHYSICOCHEMICAL METHODS IN ENVIRONMENTAL ENGINEERING	4	C	28.00	3/2011
CEE10 105A	INDUSTRIAL WATER POLLUTION CONTROL	4	C	28.00	3/2011
CEE10 106P	SEMINAR	2	C	14.00	3/2011
CEE10 107P	ADVANCED ENVIRONMENTAL ENGINEERING LAB-I	2	B	16.00	3/2011
Semester-I		SGPA-I : 6.92			
<b>SEMESTER II</b>					
CEE10 201	BIOLOGICAL METHODS IN ENVIRONMENTAL ENGINEERING	4	C	28.00	7/2011
CEE10 202	AIR QUALITY MANAGEMENT AND METEOROLOGY	4	D	24.00	7/2011
CEE10 203	ENVIRONMENTAL IMPACT ASSESSMENT	4	C	28.00	7/2011
CEE10 204C	ENVIRONMENTAL SYSTEMS ANALYSIS	4	C	28.00	7/2011
CEE10 205A	ADVANCED HYDROLOGY AND WATER RESOURCES ENGINEERING	4	D	24.00	7/2011
CEE10 206P	SEMINAR	2	C	14.00	7/2011
CEE10 207P	ADVANCED ENVIRONMENTAL ENGINEERING LAB - II	2	C	14.00	7/2011
Semester-II		SGPA-II : 6.67			
<b>SEMESTER III</b>					
CEE10 301A	RESEARCH METHODOLOGY	4	D	24.00	1/2012
CEE10 302A	PLANNING AND DESIGN OF ENVIRONMENTAL FACILITIES	4	B	32.00	1/2012
CEE10 303P	INDUSTRIAL TRAINING	1	B	8.00	1/2012
CEE10 304P	MASTER RESEARCH PROJECT PHASE-I	6	C	42.00	1/2012
Semester-III		SGPA-III : 7.07			
<b>SEMESTER IV</b>					
CEE10 401P	MASTER RESEARCH PROJECT PHASE-II TITLE : PREDICTION OF FAECAL COLIFORM CONCENTRATION IN SURFACE WATER USING ARTIFICIAL NEURAL NETWORK AND FUZZY LOGIC	12	B	96.00	7/2012
Semester-IV		SGPA-IV : 8.0			
Programme Total Credits Acquired : 75 (Core: 55, Elective: 20, Dissertation: 0) CGPA : 7.04					



Prepared by

Checked by

Section Officer

Controller of Examinations

AR/DR/JR (Exams)

GOVERNMENT OF KERALA  
GOVERNMENT ENGINEERING COLLEGE, THRISSUR



No. 148/2012-13

Date : 21-Jun-2013

TRANSFER CERTIFICATE

- |  |  |
|--|--|
| 1. Name of student                                       | <b>RAHUL R</b>   |
| 2. Date of birth (in figures and in words)               | 25-May-1983<br>Twentyfifth May, One Thousand Nine Hundred and Eighty Three |
| 3. Caste and religion                                    | NAIR, HINDU  |
| 4. Admission No.   | 157/2010-11  |
| 5. Date of admission                                     | 16/08/10   |
| 6. Class to which admitted                               | Ist Year M.TECH ENVIRONMENTAL (CIVIL) ENGG                                 |
| 7. Date of leaving                                       | 28-Nov-2012  |
| 8. Class from which relieved                             | IInd Year M.TECH ENVIRONMENTAL (CIVIL) ENGG                                |
| 9. Whether qualified for promotion to a higher class     | course completed   |
| 10. Whether all fees and other dues have been paid       | Yes  |
| 11. Whether the student was in receipt of fee concession | NO   |
| 12. Date of application for T.C                          | 29/01/2013   |
| 13. Reason for leaving                                   | Completion of Course   |
| 14. Institution to which the student intends proceeding  |  |

Prepared by- : Mercy George P  
[Name and dated initials  
of the section clerk] 21/6/13  
Verified by - : M V Benoy  
[Name and dated initials  
of the section superintendent]

(college seal)

  
Principal  
GOVT. ENGG. COLLEGE  
THRISSUR

GOVERNMENT OF KERALA  
GOVERNMENT ENGINEERING COLLEGE, THRISSUR



No. 148/2012-13

Date : 21-Jun-2013

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| 9. Whether qualified for promotion to a higher class     | course completed   |
| 10. Whether all fees and other dues have been paid       | Yes  |
| 11. Whether the student was in receipt of fee concession | NO   |
| 12. Date of application for T.C                          | 29/01/2013   |
| 13. Reason for leaving                                   | Completion of Course   |
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Prepared by- : Mercy George P  
[Name and dated initials  
of the section clerk] 21/6/13  
Verified by - : M V Benoy  
[Name and dated initials  
of the section superintendent]

(college seal)

  
Principal  
GOVT. ENGG. COLLEGE  
THRISSUR

आयकर विभाग  
INCOME TAX DEPARTMENT



भारत सरकार  
GOVT. OF INDIA

Scanned by CamScanner

RAHUL R

RAJENDRANNAIR

25/05/1983

Permanent Account Number

ATSPR1211M

*Rahul*

Signature



15012010

Self attested  
*Rahul*

आयकर विभाग  
INCOME TAX DEPARTMENT



भारत सरकार  
GOVT. OF INDIA

Scanned by CamScanner

RAHUL R

RAJENDRANNAIR

25/05/1983

Permanent Account Number

ATSPR1211M

*Rahul*

Signature



15012010

Self attested  
*Rahul*

Signature of Candidate: Rahul K

Left thumb impression of the candidate :



- Name of Candidate: RAHUL R.  
(In English, in block capitals, initials, after the name)
- Expansion of initials, if any: Rayendran Nair
- Name in Regional Language: രാഹുല രാജേന്ദ്രൻ നായർ
- Sex: Male 3. Religion: Hindu 4. Caste: Nair
- Place of Birth: Adoor
- (a) Name of Panchayath/Town: Adoor (b) Country: India
- Nationality: Indian 7. Date of birth (in figures): 25-5-1983  
(in words): Twenty Fifth May Nineteen Eighty Three
- Name of Father: J.P.K. Rajendran Nair
- Name of Mother: Aasooda Vally R.
- Name of Guardian: P.K. Rajendran Nair
- Relationship of the Guardian with the Pupil: Father
- Occupation of the Parent/Guardian: Govt. Service
- Parents or Guardian's Postal Address: Pullichin House, Adoor
- Proficiency in Academic, Athletic and Cultural Activities (State level/ National level): Nil
- Participation and Leadership in Other Activities. (N.C.C./Scouts & Guides, Junior Redcross): Nil
- Conduct and Character (High/Average): Average
- Personal Marks of Identification  
(i) A black mole on the left forearm  
(ii) A black mole on the neck

I certify that the entries in this page are accurate as per relevant school records.

K. Radharamaniam  
Name and Signature of Head of School with date  
Designation : **PRINCIPAL**  
**G. B. H. S. SCHOOL, ADOOR**

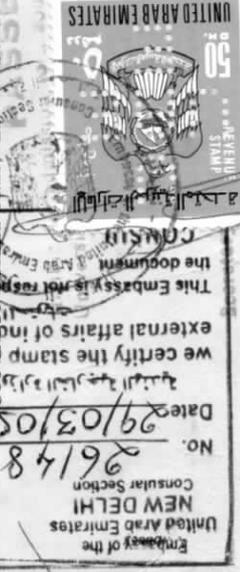


**K. SALEEM**  
Deputy Secretary to  
the Government of Kerala  
General Education Department  
Kozhikode

**SECONDARY SCHOOL LEAVING CERTIFICATE EXAMINATION**  
Name of Candidate: RAHUL R. Month & Year: March 1998  
(Block Capitals) Register Number: 531875

Subjects	Date of Examination	Total Marks	In Figure	Group Total	Minimum for a pass		State Average
					Subject	Group	
<b>4 MAR 2005</b>							
GROUP A - Languages FIRST LANGUAGE The Paper I (.....) Education Office Paper II (.....) M.A.C. Officer SECOND LANGUAGE	34	74			20		24
English Paper I	50	24	141	One, Four, One.	20		16
Paper II	50	17				90	17
<b>MINISTRY OF EDUCATION (SANKARA SPOORU)</b>							
GROUP B - Subject Section Officer (OI) SOCIAL SCIENCES Papers - History & Civics (V506 section) Paper II - Geography & Physical Education Ministry of Education New Delhi.		6			10		21
SCIENCE	32				20		20
Paper I - Physics	50						21
Paper II - Chemistry	50	107		Two, Four, Zero.	30		17
Paper III - Biology & Health Science	50						18
MATHEMATICS	36	63			20		19
Paper I	50						17
Paper II	50						17
<b>TOTAL</b>				<b>Three, Eight, One.</b>			

(Marks : 480 and above) First Class with Distinction; 360 to 479 First Class; 300 to 359 Second Class; 210 to 299 Third Class



ANNEXURE-I

CERTIFICATE FROM THE ORGANISATION WHERE THE CANDIDATE IS EMPLOYED

Certified that Mr/Ms/Mrs Rahul R 18  
employed as Assistant Engineer (Designation) in the  
PWD Road Maintenance Subdivision Pathanamthitta  
of Public Work Department (Department/Division Name)  
(Institution/Industry Name)

We have no objection in forwarding his/her application for the Ph.D. Research Programme

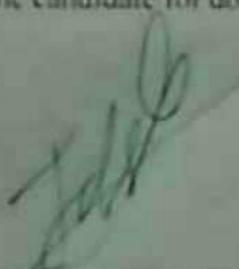
FOR FULL TIME

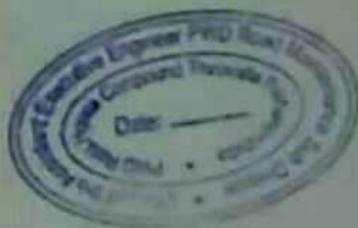
The candidate will be sanctioned leave for the duration of the research programme and will be relieved from duty from \_\_\_\_\_ to \_\_\_\_\_ to undertake the full time research work in the University

FOR PART TIME

The candidate will be permitted to undertake part time study in the University/College and will be allowed to be present for discussions with the supervisor, attending course works, conduct of experiments and participations in seminars and related presentations. Further the required facilities at our organization will also be provided to the candidate for doing research.

Date 25/11/2020

  
Signature of the Head of Organization with office seal



Assistant Executive Engineer  
PWD Road Maintenance Sub-Division  
Pathanamthitta