



Application Form

December 2022
IIT Guwahati

Application No:
2022PHDDECCE0043

Application Details

Academic Programme:	PhD
Department:	Civil Engineering
Project Code (If Any):	
Disciplines/Specialization:	1. Water Resources and Hydraulic Engineering 2. Environment Engineering 3.
Research Sub-Areas (If Any):	1. Groundwater and Surface water hydrology 2. Drinking Water Quality 3.
Project Mode Programme (If Any):	
JDP with IIT(BHU) (If Any):	

Personal Information

Candidate's Name:	SAYAK KARMAKAR		
Father's Name:	PRITISH KARMAKAR		
Gender	MALE	Date Of Birth	07/05/1997
Marital Status	SINGLE	Caste Category	OBC (NCL)
Nationality	INDIAN	Studentship Type	Regular
Physically Disabled (PwD)	No	Nature of disability	
Percentage of your disability (%)		IFSC code of the Bank	BARB0RAIGAN
Savings Bank Account Number of the Candidate:	40110100009477	Nearest Railway Station to the place of your Correspondence Address	MALDA TOWN

Correspondence Address Details

VILLAGE: RUPAHAR
POST OFFICE: RUPAHAR
PS: RAIGANJ
TOWN: RAIGANJ
UTTAR DINAJPUR
WEST BENGAL, PIN: 733123
Email: sayakju97@gmail.com
Mobile: 8967654274

Permanent Address Details

VILLAGE: RUPAHAR
POST OFFICE: RUPAHAR
PS: RAIGANJ
TOWN: RAIGANJ
UTTAR DINAJPUR
WEST BENGAL, PIN: 733123
Mobile: 8967654274

Qualification Details

Details of Class X or Equiv. and Class XII or Equiv.#

Examination	University/College/Board	Total Marks	Marks Obtained	Percentage	Subjects	Year of Passing
SECONDARY EXAMINATION	WBBSE	700	657	93.86	BENGALI, ENGLISH, MATHEMATICS, LIFE SCIENCE, PHYSICAL SCIENCE, HISTORY, GEOGRAPHY	2014
HIGHER SECONDARY EXAMINATION	WBCHSE	500	473	94.6	BNGA, ENGB, CHEM, MATH, PHYS, BIOS	2016

Degree Details

Name of the Degree	BACHELOR OF ENGINEERING IN CIVIL ENGINEERING	Name of the College/Institute	JADAVPUR UNIVERSITY
Degree awarded by College/Institute	BACHELOR OF ENGINEERING IN CIVIL ENGINEERING	Discipline/Major/Branch	CIVIL ENGINEERING
Specialization(if any)		Status	PASSED
Year of Joining	2016	Month and Year of Passing	July-2020

Grading Format	CGPA/CPI	Percentage of Marks/CPI Obtained	7.45
100%/Max. CPI	10	Marks grades available for uploading	YES
Have you done any courses on Mathematics on Bachelor degree level?			YES
Do you have consistent First Class in all academic qualifications?			YES

Master Degree Details			
Name of the Master Degree	MASTER OF ENGINEERING IN WATER RESOURCES AND HYDRAULIC ENGINEERING	Name of the College/Institute	JADAVPUR UNIVERSITY
Degree awarded by College/Institute	MASTER OF ENGINEERING IN WATER RESOURCES AND HYDRAULIC ENGINEERING	Discipline/Major/Branch	WATER RESOURCES AND HYDRAULIC ENGINEERING
Specialization(if any)	WATER RESOURCES AND HYDRAULIC ENGINEERING	Status	PASSED
Year of Joining	2020	Month and Year of Passing	September-2022
Grading Format	CGPA/CPI	Percentage of Marks/CPI Obtained	9.72
100%/Max. CPI	10	Marks grades available for uploading	YES

GATE/NET/CEED Details			
Is Your Qualifying Degree from IIT?	No	Name of IIT	CPI/CGPA of IIT
Qualified in National Level Scholarship Exam?	Yes	Name of the National Level Scholarship Exam	Qualified GATE

GATE DETAILS						
GATE Qualified	Year of Appeared	Registration Number	Paper Code	Score	Marks	All India Rank
Yes	2021	CE21S16044307	CE	702.00	62.71	1283

Referee Details				
Referee Name	Designation	Affiliation/Institute	Email	Phone
PROF. (DR.) PANKAJ KUMAR ROY	DIRECTOR AND PROFESSOR, SCHOOL OF WATER RESOURCES ENGINEERING, JADAVPUR UNIVERSITY, KOLKATA-700032	JADAVPUR UNIVERSITY	pankaj.kroy@jadavpuruniversity.in	9433106266

Uploaded Documents		
Sl No.	Document Details	Download
1.	Bachelor Degree Certificate and Marksheet	Uploaded
2.	Caste Certificate	Uploaded
3.	Class 10 Certificate	Uploaded
4.	Class 10 Marksheet	Uploaded
5.	Class 12 Certificate	Uploaded
6.	Class 12 Marksheet	Uploaded
7.	Date Of Birth Certificate	Uploaded
8.	GATE Exam Certificate and Marksheet	Uploaded
9.	Master Degree Certificate and Marksheet	Uploaded
10.	One page Write up on Proposed Research Work	Uploaded

11. Photo



12. Sign

Sayak karomakara

Fee Payment

Transaction No.	Amount	Payment Status
2022PHDDECCE0043	300.00	Success!

**GRADE CARD**

Result of the	BACHELOR OF ENGINEERING IN CIVIL ENGINEERING FIRST YEAR		
1ST	Semester Examination for the session 2016 - 2017		
for	SAYAK KARMAKAR studying in		
the Department of	CIVIL ENGINEERING		
bearing Class Roll No.	001610401082	and Examination Roll No.	CIV171041
Registration No.	of		

December, 2016

Examination held in

Code	Subject	Assigned Credit (c.)	Grade
Hum/T/A/111	Humanities- A	3	B
CE/Math/T/112	Mathematics- IC	3	C
CE/Math/T/113	Mathematics- IIC	3	D
Ph/T/IC/114	Physics- IC	3	D
AM/ME/T/A	Engineering Mechanics	3	B
CE/ET/T/116	Basic Electrical & Electronics Engg	3	D
Ph/S/1	Physics Laboratory	3	C
CE/EE/S/112	Electrical Technology Laboratory	3	B
BED/ME/S/1	Basic Engineering Drawing- I	3	B
WS/ME/S/6A	Workshop Practice- VI	3	B

SGPA: 7.20

Remarks: P

Prepared by:

Checked by:

Date of issue: 05.04.2017

Controller of Examinations

(see overleaf)

**GRADE CARD**

Result of the **BACHELOR OF ENGINEERING IN CIVIL ENGINEERING**
2nd Semester Examination for the session **2016-17**
for **SAYAK KARMAKAR** studying in
the Department of **CIVIL ENGINEERING**
bearing Class Roll No. **001610401082** and Examination Roll No. **CIV172041**
Registration No. **135835** of **2016-17**

Examination held in **April-May 2017**

Code	Subject	Assigned Credit (C _i)	Grades
CE/Math/T/121	Mathematics -I/II	3	D
CE/Chem/T/122	Chemistry for Civil Engineering	3	D
CE/ME/T/123	Fluid Mechanics- I	3	A
CE/T/124	Building Material & Construction	3	D
CE/T/125	Surveying- I	3	C
CE/T/126	Structural Mechanics- I	3	D
CE/Chem/S/121	Chemistry Lab for Civil Engineering	3	A
CE/ME/S/122	Applied Mechanics Laboratory	3	B
CE/S/123	Building Planning & Drawing	3	S
CE/BED/ME/S/11	Basic Engineering Drawing- II	3	B

SGPA : 7.5

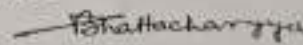
Remarks : P

Processed from **JUMS**

Checked by : **MOUMITA G BANERJEE**

Date of issue : 25-09-2017

Compulsory EVS Status: Passed


Controller of Examinations

(see overleaf)

**JADAVPUR UNIVERSITY**

KOLKATA-700 032

GRADE CARD

UG ENGG 000192

(4 Year Degree Course)

Result of the BACHELOR OF ENGINEERING IN CIVIL ENGINEERING
2nd Year 1st Semester Examination for the session 2017-18
for SAYAK KARMAKAR studying in
the Department of CIVIL ENGINEERING
bearing Class Roll No. 001610401082 and Examination Roll No. CIVS183013
Registration No. 135835 of 2016-17

Examination held in June - July, 2018

Code	Subject	Assigned Credit	Grades
CE/ME/T/211	THERMODYNAMICS & HEAT POWER	3	E
CE/ME/T/212	FLUIDS MECHANICS- II	3	B
CE/Geo/T/213	ENGINEERING GEOLOGY	3	B
CE/T/214	COMPUTER PROGRAMMING- I	3	D
CE/T/215	STRUCTURAL MECHANICS- II	3	D
CE/T/216	SURVEYING- II	3	E
CE/Geo/S/211	ENGINEERING GEOLOGY LABORATORY	3	A
CE/S/212	FLUID MECHANICS LAB	3	C
CE/S/213	COMPUTER LABORATORY- I	3	A
CE/S/214	STRUCTURES SESSIONAL	3	A
Compulsory EVS Status		Passed	

SGPA : 7.2

Remarks : P

Processed from : JUMS

Date of issue : 21-12-2018

Checked by : 090120

Bhattacharya
Controller of Examinations

(See overleaf)

**JADAVPUR UNIVERSITY**

KOLKATA-700 032

GRADE CARD

No. EN17002/000158

(4 Year 8 Semester Degree Course)

Result of the BACHELOR OF ENGINEERING IN CIVIL ENGINEERING
2nd Year 2nd Semester Examination for the session 2017-18
for SAYAK KARMAKAR studying in
the Department of CIVIL ENGINEERING
bearing Class Roll No 001610401082 and Examination Roll No CIV184021
Registration No 135835 of 2016-17

Examination held in April - June, 2018

Code	Subject	Assigned Credit (C _e)	Grade
CE/T/221	SURVEYING- III	3	D
CE/T/222	THEORY OF STRUCTURES-I	3	D
CE/T/223	COMPUTER PROGRAMMING- II	3	D
CE/T/224	HYDROLOGY	3	E
CE/T/225	IRRIGATION ENGINEERING	3	C
CE/T/226	VALUATION, PRICING & CONTRACT	3	A
CE/S/221	COMPUTER LAB-II	3	A
CE/S/222	CIVIL ENGG. LAB-I (CONC/STRUCT)	3	C
CE/S/223	SURVEYING PRACTICE- I (FIELD WORK)	3	C
Compulsory EVS Status		Passed	

SGPA : 6.89

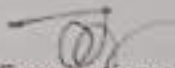
Processed from : JUMS

Date of issue : 01-10-2018

Checked by : 110002

Remarks : P

Annual Remarks : Promoted


Controller of Examinations (Officiating)

(See overleaf)

**JADAVPUR UNIVERSITY**

KOLKATA-700 032

GRADE CARD

UG ENGG / 006759

(4 Year Degree Course)

Result of the _____ **BACHELOR OF ENGINEERING IN CIVIL ENGINEERING** _____
_____ 3rd _____ Year _____ 1st _____ Semester Examination for the session _____ 2018-19 _____
for _____ **SAYAK KARMAKAR** _____ studying in
the Department of _____ **CIVIL ENGINEERING** _____
bearing Class Roll No. _____ 001610401082 _____ and Examination Roll No. _____ CIVS195022 _____
Registration No. _____ 135835 _____ of _____ 2016-17 _____

Examination held in _____ **JULY-AUGUST, 2019** _____

Code	Subject	Assigned Credit (C)	Grade
CE/T/311	TRANSPORTATION ENGINEERING- I	3	D
CE/T/312	WATER SUPPLY ENGINEERING	3	D
CE/T/313	THEORY OF STRUCTURES- II	3	E
CE/T/314	DESIGN OF STRUCTURES- I	3	D
CE/T/315	SOIL MECHANICS- I	3	C
CE/T/316C	GROUND WATER HYDROLOGY AND WATER CONSERVATION	3	E
CE/S/311	CIVIL ENGINEERING LAB-II(CONC/SOIL)	3	B
CE/S/312	QUANTITY SURVEYING	3	A
CE/S/313	C. E. DESIGN SESSIONAL-I	3	A
CE/S/314	C. E. LAB - III(SURVEY/STRUC)	3	A
Compulsory EVS Status		Passed	

SGPA : 7.00

Processed from : JUMS

Date of issue : 05-03-2020

Generated by : 170099

Remarks : P

Controller of Examinations

(See overleaf)

**JADAVPUR UNIVERSITY**

KOLKATA-700 032

GRADE CARD

UG ENGG / 19241

(4 Year 8 Semester Degree Course)

Result of the _____ BACHELOR OF ENGINEERING IN CIVIL ENGINEERING
_____ 3rd _____ Year _____ 2nd _____ Semester Examination for the session _____ 2018-19
for _____ SAYAK KARMAKAR _____ studying in
the Department of _____ CIVIL ENGINEERING
bearing Class Roll No. _____ 001610401082 _____ and Examination Roll No. _____ CIVS196023
Registration No. _____ 135835 _____ of _____ 2016-17

Examination held in _____ JULY, 2020 _____

Code	Subject	Assigned Credit (C)	Grade
CE/T/321	TRANSPORTATION ENGG.-II	3	B
CE/T/322	WASTE WATER ENGINEERING	3	B
CE/T/323	HYDRAULIC STRUCTURE	3	C
CE/T/324	THEORY OF STRUCTURES-III	3	D
CE/T/325	DESIGN OF STRUCTURES-II	3	C
CE/T/326	SOIL MECHANICS-II	3	C
CE/S/321	CIVIL ENGG. LAB-IV(SOIL/ENV)	3	C
CE/S/322	C.E. DESIGN SESSIONAL-II	3	B
CE/S/323	SEMINAR-I	3	S
CE/S/324	ACADEMIC TOUR	3	A
Compulsory EVS Status		Passed	

SGPA : 7.70

Processed from : JUMS

Date of issue : 23-12-2020

Generated by : 110013

Remarks : P

Annual Remarks : Promoted

Controller of Examinations

(See overleaf)

**JADAVPUR UNIVERSITY**

KOLKATA-700 032

GRADE CARD

UG ENGG / 19426

(4 Year 8 Semester Degree Course)

Result of the _____ BACHELOR OF ENGINEERING IN CIVIL ENGINEERING _____
_____ 4th _____ Year _____ 1st _____ Semester Examination for the session _____ 2019-20 _____
for _____ SAYAK KARMAKAR _____ studying in
the Department of _____ CIVIL ENGINEERING _____
bearing Class Roll No. _____ 001610401082 _____ and Examination Roll No. _____ CIV207003 _____
Registration No. _____ 135835 _____ of _____ 2016-15 _____

Examination held in _____ July, 2020 _____

Code	Subject	Assigned Credit (C _i)	Grade
CE/T/411	ENVIRONMENTAL POLLUTION & CONTROL	3	D
CE/T/412	DESIGN OF STRUCTURES-III	3	C
CE/T/413	THEORY OF STRUCTURES-IV	3	D
CE/T/414	DESIGN OF FOUNDATION	3	E
CE/S/411	CIVIL ENGG. LAB-V(SOIL/ENV)	3	B
CE/S/412	C.E. DESIGN SESSIONAL-III	3	B
CE/S/413	SEMINAR-II	3	S
Compulsory EVS Status		Passed	

SGPA : 7.14

Processed from JUMS

Generated 110013

Date of issue 23-12-2020

Remarks : P

Annual Remarks :

Bhattacharya
Controller of Examinations

(See overleaf)

**JADAVPUR UNIVERSITY**

KOLKATA-700 032

UG ENGG/11213

GRADE CARD

(4 Year 8 Semester Degree Course)

Result of the _____ **BACHELOR OF ENGINEERING IN CIVIL ENGINEERING** _____
 _____ **FINAL** _____ Semester Examination for the session _____ **2019-20** _____
 for _____ **SAYAK KARMAKAR** _____ studying in
 the Department of _____ **CIVIL ENGINEERING** _____
 bearing Class Roll No. _____ **001610401082** _____ and Examination Roll No. _____ **001610401082** _____
 Registration No. _____ **135835** _____ of _____ **2016-17** _____

Examination held in _____ **MAY - JUNE, 2020** _____

Code	Subject	Assigned Credit (C)	Grade
CE/T/421	CONSTRUCTION MANAGEMENT	3	B
CE/T/422	DESIGN OF STRUCTURES-IV	3	A
CE/T/423E	ADVANCED WATER AND WASTE WATER TREATMENT	3	B
CE/T/424E	SOLID AND GASEOUS WASTE MANAGEMENT	3	B
CE/S/421	CIVIL ENGG LAB-VI(TRANSPORT/STRUC.)	3	A
CE/S/422	SPECIAL PROJECTS	3	A
CE/S/423	GENERAL VIVA-VOCE	3	A
CE/S/424	C.E. DESIGN SESSIONAL-IV	3	B
Compulsory EVS Status		Passed	

SGPA obtained in the Eight Semesters of Bachelor of Engineering in Civil Engineering Examination

Semester	1	2	3	4	5	6	7	8
Weightage(W)	0.1	0.1	0.2	0.2	0.35	0.35	0.35	0.35
SGPA(S)	7.20	7.50	7.20	6.89	7.00	7.70	7.14	8.50

CGPA : 7.45

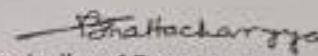
% of Weighted Average 67.98

Remarks : FIRST CLASS

Processed from JUMS

Generated by : 110013

Date of Issue 09-12-2020


 Controller of Examinations

(See overleaf)

2020170127



Jadavpur University

Certified that *Shri / Shm.* **Sayak Kumar**

having passed the Final Examination of 2020 held in the year 2020, has been admitted to the Degree of Bachelor of Engineering in Civil Engineering with all the Rights and Privileges and that he / she was placed in First Class.

In Witness whereof the Signature of the Vice-Chancellor of Jadavpur University is herewith affixed.



JADAVPUR UNIVERSITY
The 24th December, 2020



Sudanpin Das
Vice-Chancellor

Prescribed Format of OBC NCL Certificate

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR APPOINTMENT TO POSTS/
ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA

This is to certify that Shri/ Smt. / Kum. SAYAK KARMAKAR Son/ Daughter of
Shri/ Smt. PRITISH KARMAKAR of Village/ Town
RUPAHAR District/Division UTTAR DINAJPUR
in the KARMAKAR Community which is recognized as a backward class under:

- (i) Resolution No.12011/68/93-BCC (C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No.186 dated 13/09/93.
- (ii) Resolution No.12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No.163 dated 20/10/94.
- (iii) Resolution No.12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No.88 dated 25/05/95.
- (iv) Resolution No.12011/96/94-BCC dated 9/03/96.
- (v) Resolution No.12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No.210 dated 11/12/96.
- (vi) Resolution No.12011/13/97-BCC dated 03/12/97.
- (vii) Resolution No.12011/99/94-BCC dated 11/12/97.
- (viii) Resolution No.12011/68/98-BCC dated 27/10/99.
- (ix) Resolution No.12011/88/98-BCC dated 06/12/99 published in the Gazette of India Extraordinary Part I Section I No.270 dated 06/12/99.
- (x) Resolution No.12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No.71 dated 04/04/2000.
- (xi) Resolution No.12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No.210 dated 21/09/2000.
- (xii) Resolution No.12015/9/2000-BCC dated 06/09/2001.
- (xiii) Resolution No.12011/1/2001-BCC dated 19/06/2003.
- (xiv) Resolution No.12011/4/2002-BCC dated 13/01/2004.
- (xv) Resolution No.12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No.210 dated 16/01/2006.

Shri/Smt./Kum. SAYAK KARMAKAR and/or his family ordinarily reside(s) in the
UTTAR DINAJPUR District/Division of WEST BENGAL state. This is also to certify that he/she does not
belong to the persons/section (Creamy Layer) mentioned in Column 3 of the Schedules of the Government of India. Department of
Personnel & Training O.M. No. 36012/22/93- Estt. (SCT) dated 08/09/93 which is modified vide OM No.36033/3/2004 Estt.(Res.)
dated 09/03/2004

Dated: 26/09/22



District Magistrate/ Deputy Commissioner/ Competent Authority
Seal

26/09/2022
Dy Magistrate & Dy. Collector
Raiganj, Uttar Dinajpur

NOTE:

- (a) The term Ordinarily used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) The authorities compete to issue Caste Certificates are indicated below:
 - (i) District Magistrate/Additional Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner/ Deputy Collector/ 1st Class Stipendiary Magistrate/ Sub-Divisional Magistrate/ Taluka Magistrate/ Executive Magistrate/Extra Assistant Commissioner (not below the rank of 1st Class Stipendiary Magistrate)
 - (ii) Chief Presidency Magistrate/ Additional Chief Presidency Magistrate/ Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar and
 - (iv) Sub-Divisional Officer of the area where the candidate and/ or his family resides.

WB0402OBC201303851

Date of issue: 11/04/2013

Manual no: 172/OBC/265

West Bengal Board Of Secondary Education



MADHYAMIK PARIKSHA (SECONDARY EXAMINATION), 2014

Certified that SAYAK KARMAKAR

Son / ~~XXXXXX~~ / ~~XXXX~~ of PRITISH KARMAKAR

appearing from / ~~XX~~ DEBINAGAR K C R VIDYAPITH



Whose date of birth is SEVENTH

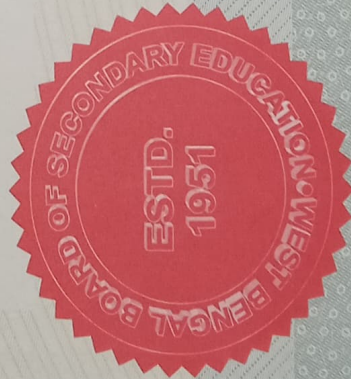
day of MAY

One Thousand Nine Hundred

and NINETY SEVEN

duy passed the Madhyamik Pariksha (Secondary Examination)

held in the month of February, 2014 with Overall Grade AA.



Kolkata - 700 016,

Dated, the 22nd May, 2014.

Nabanita Chatterjee

Secretary

Kalyanmoy Ganguly

Administrator

West Bengal Board Of Secondary Education



MARK SHEET OF MADHYAMIK PARIKSHA (SECONDARY EXAMINATION), 2014

ROLL **103891B**NO. **0085**NAME **SAYAK KARMAKAR**S/XXX OF **PRITISH KARMAKAR**APPEARING FROM **DEBINAGAR K C R VIDYAPITH**HIS/XXX COMBINATION OF SUBJECTS (IN SYMBOLS) **BFL ESL**

SUBJECT	FULL MARKS			MARKS OBTAINED			
	WRITTEN	ORAL	TOTAL	WRITTEN	ORAL	TOTAL	GRADE
COMPULSORY SUBJECTS							
FIRST LANGUAGE	90	10	100	83	10	93	AA
SECOND LANGUAGE	90	10	100	75	10	85	A+
MATHEMATICS	90	10	100	88	10	98	AA
PHYSICAL SCIENCE	90	10	100	90	10	100	AA
LIFE SCIENCE	90	10	100	84	10	94	AA
HISTORY	90	10	100	84	10	94	AA
GEOGRAPHY	90	10	100	83	10	93	AA
OPTIONAL ELECTIVE SUBJECT			100				

GRAND TOTAL → **657** (Six Hundred Fifty Seven)**RESULT** → **P****OVERALL GRADE : AA**

Grade Scale	Grade	Performance Indicator
90-100	AA	Outstanding
80-89	A+	Excellent
60-79	A	Very Good
45-59	B+	Good
35-44	B	Satisfactory
25-34	C	Marginal
Below 25	D	Disqualified

RESULT :

P	For Successful Candidate
Comp.	For Compartmental Candidate
X	For Unsuccessful Candidate

Overall Grade is calculated dividing Grand Total by 7 (number of Compulsory Subjects).

Candidate securing total marks with a fractional Percentage of 0.5 and above is placed in the next higher grade.

Samir Kr. Saha
Deputy Secretary (Exam.)

Nabendra Chatterjee
Secretary

Institution Code 109031

No. 137636

West Bengal Council Of Higher Secondary Education



Certified that SAYAK KARMAKAR

Roll 140111 *No.* 1280

son/daughter/ward of PRITISH KARMAKAR

passed the Higher Secondary Examination 2016 from
DEBINAGAR KAILASH CHANDRA RADHARANI VIDYAPITH

with overall Grade □



Vidyasagar Bhavan
Salt Lake, Kolkata - 700 091
India

Date 16th May, 2016 *Secretary* Subrata Ghosh

President Mahma Das

WEST BENGAL COUNCIL OF HIGHER SECONDARY EDUCATION

INSTITUTION
CODE
109031

NO.
8899324



MARK-SHEET
Higher Secondary Examination
2016

THE FOLLOWING IS THE STATEMENT OF MARKS AND GRADE OBTAINED BY

SAYAK KARMAKAR

ROLL 140111 No. 1280 AT THE HIGHER SECONDARY EXAMINATION 2016.

SUBJECTS	FULL MARKS		PASS MARKS		MARKS/GRADE		TOTAL	SUBJECT GRADE
	THEORY	PRACTICAL /ORAL/ PROJECT	THEORY	PRACTICAL /ORAL/ PROJECT	THEORY	PRACTICAL /ORAL/ PROJECT	IN FIGURES	
							IN WORDS	
COMPULSORY LANGUAGE								
BNGA	80	20	24	6	73/0	20/0	93	D
					(NINETY THREE)			
ENGB	80	20	24	6	70/A+	20/0	90	D
					(NINETY)			
COMPULSORY ELECTIVE								
CHEM	70	30	21	9	69/0	30/0	99	D
					(NINETY NINE)			
MATH	80	20	24	6	80/0	20/0	100	D
					(ONE HUNDRED)			
PHYS	70	30	21	9	61/A+	30/0	91	D
					(NINETY ONE)			
OPTIONAL ELECTIVE								
BIOS	70	30	21	9	57/A+	30/0	87	A+
					(EIGHTY SEVEN)			
COMPULSORY								
						GRAND TOTAL	473	
RESULT: PASSED								

RESULT: PASSED

OVERALL GRADE: D

Kalyan Sen Gupta

PLEASE SEE REVERSE

DEPUTY SECRETARY (EXAMINATION)

(ফরম নং ৯)

(See Rule 9 of West Bengal)

DEPARTMENT OF HEALTH
& FAMILY WELFARE

GOVERNMENT OF WEST BENGAL

(Registration of Births and Deaths Rules, 1972)

(স্বাস্থ্য ও পরিবার কল্যাণ দপ্তর)

(পশ্চিমবঙ্গ সরকার)

(পশ্চিমবঙ্গ জন্ম-মৃত্যু রেজিস্ট্রেশন বিধি, ১৯৭২-৯৯ বিধি দেখুন)

CERTIFICATE OF BIRTH

জন্ম প্রমাণপত্র

[Issued under Sec. 12 / Sec. 17 of the Registration of Births and Deaths Act, 1969]

[১৯৬৯ সনের জন্ম-মৃত্যু রেজিস্ট্রিকরণ আইনের ১২/১৭ ধারা অনুযায়ী প্রদত্ত হইল]

Re-Issued

কেন্দ্র কার্ড নং ৩৩৩৩

This is to certify that the following information has been taken from the original record of birth which is in the register for 11 No Birghai of Raiganj P.S. Uttar Dinajpur District of West Bengal.

(Local area)

(এই মর্মে নিশ্চিতভাবে জ্ঞাত করা যাইতেছে যে নিম্নবর্ণিত বিবরণী মূল জন্ম রেকর্ড হইতে লওয়া হইয়াছে। উক্ত রেকর্ড পশ্চিমবঙ্গ রাজ্যের _____ জেলা _____ থানার অন্তর্ভুক্ত _____ জন্ম রেজিস্টারে লিপিবদ্ধ আছে।)

Name Sayak Karmakar (স্থানীয় এলাকা)

(নাম)

Sex Male

(স্বী/পুং)

Registration No. 412

(রেজিস্ট্রেশন নং)

Date of registration 10/07/98

(রেজিস্ট্রেশনের তারিখ)

Permanent address of father/mother Vill + P.O. = Rupahar

(পিতা/মাতার স্থায়ী ঠিকানা)

PS. Raiganj
Dist. Uttar DinajpurDate of birth 07/05/97

(জন্ম তারিখ)

Place of birth Rupahar

(জন্মস্থান)

Name of father/mother Pratish Karmakar

(পিতা/মাতার নাম)

Nationality of father/mother Indian

(পিতা/মাতার জাতীয়তা)

Date 06/03/03

(তারিখ)

106.03.03
No. Birghai Gram Panchayat
Vill. Birghai, P. O. Birghai
Signature of issuing authority
(প্রদানকারী কর্তৃপক্ষের স্বাক্ষর)
Seal
(শীলমোহর)



Organising Institute
Indian Institute of Technology Bombay

GATE 2021 Scorecard

Graduate Aptitude Test in Engineering (GATE)



Candidate's Details

Name

SAYAK KARMAKAR

Parent's / Guardian's Name

PRITISH KARMAKAR

Registration Number

CE21S16044307

Date of Birth

07-May-1997

Examination Paper

Civil Engineering (CE)



Sayak Karmakar

(Candidate's Signature)

Performance

GATE Score

702

Marks out of 100*

62.71

Qualifying Marks**

29.2

26.2

19.4

General EWS/OBC (NCL) SC/ST/PwD

Number of Candidates
Appeared in this paper

115270

All India Rank in this
paper

1283

Valid up to 31st March 2024

* Normalized marks for Civil Engineering (CE), Computer Science and Information Technology (CS) and Mechanical Engineering (ME) Papers.

** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this scorecard.

Prof. Deepankar Choudhury

Organising Chairperson, GATE 2021
(on behalf of NCB - GATE, for MoE)



98eb70daa18417b3e714414a6543e484

The GATE 2021 score is calculated using the formula

$$GATE\ Score = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where,

M is the marks obtained by the candidate in the paper, mentioned on this GATE 2021 scorecard

M_q is the qualifying marks for general category candidate in the paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

$S_q = 350$, is the score assigned to M_q

$S_t = 900$, is the score assigned to \bar{M}_t

In the GATE 2021 score formula, M_q is 25 marks (out of 100) or $\mu + \sigma$, whichever is greater. Here μ is the mean and σ is the standard deviation of marks of all the candidates who appeared in the paper.

Qualifying in GATE 2021 does not guarantee either an admission to a post-graduate program or a scholarship/assistantship. Admitting institutes may conduct further tests and interviews for final selection.

Codes for XE and XL Paper Sections (compulsory section and any other two sections)

XE: Engineering Sciences

- A – Engineering Mathematics (compulsory)
- B – Fluid Mechanics
- C – Materials Science
- D – Solid Mechanics
- E – Thermodynamics
- F – Polymer Science and Engineering
- G – Food Technology
- H – Atmospheric and Oceanic Sciences

XL: Life Sciences

- P – Chemistry (compulsory)
- Q – Biochemistry
- R – Botany
- S – Microbiology
- T – Zoology
- U – Food Technology

Graduate Aptitude Test in Engineering (GATE) 2021 was organized by Indian Institute of Technology Bombay on behalf of the National Coordination Board (NCB) - GATE for the Department of Higher Education, Ministry of Education (MoE), Government of India.


**JADAVPUR UNIVERSITY****KOLKATA-700 032****GRADE CARD****PG ENGG / 13819****(2 Year 4 Sem Degree Course)**

Result of the _____ **MASTER OF ENGINEERING IN WATER RESOURCES & HYDRAULIC ENGINEERING** _____
_____ **1st** _____ Semester Examination for the session _____ **2020-21** _____
for _____ **SAYAK KARMAKAR** _____ studying in
the Department of _____ **SCHOOL OF WATER RESOURCE ENGINEERING** _____
bearing Class Roll No. _____ **002030301020** _____ and Examination Roll No. _____ **M1WRE21009** _____
Registration No. _____ of _____ - _____

Examination held in _____ **MAY, 2021** _____

Code	Subject	Assigned Credit (C _e)	Grade
PG/WRE/T/111A	AQUATIC ECOLOGY & ENVIRONMENT	3	S
PG/WRE/T/112A	IRRIGATION & AGRONOMY	3	S
PG/WRE/T/113A	HYDRAULIC STRUCTURE & HYDEL POWER ENGINEERING	3	S
PG/WRE/T/114A	PRINCIPLE OF WATER RESOURCES ENGINEERING	3	S
PG/WRE/T/115A	WATER WORKS ENGINEERING	3	S
PG/WRE/T/116A	FREE SURFACE FLOW	3	S
PG/WRE/S/111	LABORATORY-I	3	S

SGPA : 10.00**CGPA : 10.00****Processed from : JUMS****Date of issue : 06-01-2022****Generated by : 110002****Remarks : NA****Annual Remarks : Promoted**


Controller of Examinations

(See overleaf)

**JADAVPUR UNIVERSITY****KOLKATA-700 032****PG ENGG / 13195****(2 Year 4 Sem Degree Course)****GRADE CARD**

Result of the _____ **MASTER OF ENGINEERING IN WATER RESOURCES & HYDRAULIC ENGINEERING** _____
_____ **2nd** _____ Semester Examination for the session _____ **2020-21** _____
for _____ **SAYAK KARMAKAR** _____ studying in
the Department of _____ **SCHOOL OF WATER RESOURCE ENGINEERING** _____
bearing Class Roll No. _____ **002030301020** _____ and Examination Roll No. _____ **M2WRE21016** _____
Registration No. _____ **135835** _____ of _____ **2016-17** _____

Examination held in _____ **AUGUST - SEPTEMBER, 2021** _____

Code	Subject	Assigned Credit (C _i)	Grade
PG/WRE/T/128A	GROUND WATER DYNAMICS	3	S
PG/WRE/T/129A	DESIGN OF WATER RESOURCES SYSTEM	3	S
PG/WRE/T/1210A	MANAGEMENT OF WATER RESOURCES	3	A
PG/WRE/T/127B	COMPUTATIONAL HYDRO DYNAMICS	3	S
PG/WRE/S/121	TERM PAPER LEADING TO THESIS	3	A
PG/WRE/S/122	SEMINAR	3	B
PG/WRE/S/123	LABORATORY-II	3	A

SGPA : 9.29**CGPA : 9.64****Processed from : JUMS****Date of issue : 20-05-2022****Generated by : 110013****Remarks : NA****Annual Remarks : Promoted**
Controller of Examinations(Offg.)**(See overleaf)**

**JADAVPUR UNIVERSITY****KOLKATA-700 032****GRADE CARD****PG ENGG / 12313****(2 Year 4 Sem Degree Course)**

Result of the _____ **MASTER OF ENGINEERING IN WATER RESOURCES & HYDRAULIC ENGINEERING** _____
_____ **3rd & 4th** _____ Semester Examination for the session _____ **2021-22** _____
for _____ **SAYAK KARMAKAR** _____ studying in
the Department of _____ **SCHOOL OF WATER RESOURCE ENGINEERING** _____
bearing Class Roll No. _____ **002030301020** _____ and Examination Roll No. _____ **M4WRE22020** _____
Registration No. _____ **135835** _____ of _____ **2016-17** _____

Examination held in _____ **JULY - AUGUST , 2022** _____

Code	Subject	Assigned Credit (C _i)	Grade
PG/WRE/TH/21	THESIS WORK	7	S
PG/WRE/VV/22	VIVA-VOCE ON THESIS	5	S

CGPA : 9.72**SGPA :** 10.00**Total % marks:** 92**Remarks : FIRST CLASS****Processed from JUMS****Generated by : 170083****Date of issue 08-09-2022****Controller of Examinations****(See overleaf)**



যাদবপুর বিশ্ববিদ্যালয়
JADAVPUR UNIVERSITY
KOLKATA - 700032

GENERATED FROM JADAVPUR UNIVERSITY MANAGEMENT SYSTEM

Ref.No. PROV/M4WRE22020

Date:- 08-09-2022

To whom it may concern

This is to certify that Sri/Smt SAYAK KARMAKAR registration no 135835 of 16-17 has provisionally passed the Master of Engineering in Water Resources & Hydraulic Engineering Final Examination, 2022 held in AUGUST - SEPTEMBER, 2022 having been placed in FIRST CLASS with 92.00% marks, has duly qualified himself/herself for receiving the degree of Master of Engineering in Water Resources & Hydraulic Engineering from Jadavpur University in the next Convocation to be held on 24.12.2022. This Provisional certificate will be valid till the final degree is awarded on 24.12.2022.

Released by: 110002

Controller of Examinations

NOTE: This is a digitally generated document, hence signature and stamp not required from issuing authority.

I am Sayak Karmakar, an ex-student of the ME program at the School of Water Resources Engineering at Jadavpur University. I have completed my master's thesis under the supervision of Prof. (Dr.) Pankaj Kumar Roy with the title "Assessment of groundwater potential zone with integrated MCDM model and WQI in Silabati-Joypanda river basin of West Bengal". In most of the previous studies, GIS and RS parameters have been used as thematic layers. However, some field-based parameters were also introduced in my work. I conducted a Vertical Electrical Sounding survey, measured soil index properties and groundwater quality parameters in the laboratory. As part of my thesis work, I am in the process of writing up two research papers. In our ongoing research work, we are using four different MCDM models to check the accuracy of groundwater potential maps. Also, I was a prominent team member of the DGPS and current meter surveys in the Mayurakshi River. As of now, I am working on two separate research projects on Mayurakshi basin that focus on IDF curve generation and discharge calculation.

As my thesis work aimed to calculate the groundwater potential and water quality for a river basin, an overall groundwater scenario could be derived from it. The study would provide multiple benefits, and managed aquifer recharge zones could be identified as an extension of that study. A combined groundwater index can be built so that people can easily understand the groundwater scenario of an area both qualitatively and quantitatively. Additionally, I am interested in computational hydrodynamics and computational hydrology. There are some research works I've done on surface water hydrology. I am interested in studying the chemical and flow interactions between surface water and groundwater in the future. The results of this study may be useful for maintaining water quality, conserving biodiversity, and enhancing the ecological functions of watersheds. The following scientific issues related to SW-GW interactions interest me: First, riparian zones are the most direct link between the atmosphere and groundwater, providing sites for enhanced direct recharge and discharge to the environment through baseflow and phreatophyte evaporation, and serving as an effective source of aquifer salinization and mineralization. Consequently, understanding the dynamics of riparian zones is crucial to integrated river basin management. Additionally, rainfall anomalies propagate to shallow aquifers, affecting basin-wide hydrology. There is a need for better understanding of the "teleconnections" between groundwater recharge and riparian discharge near valley floors. Furthermore, native vegetation and introduced crops have water use requirements that must be met through precipitation or irrigation (groundwater withdrawal). Different types of plants also respond differently to rainfall, affecting evapotranspiration, soil moisture, recharge, carbon sequestration rates, and phyto-remediation. Lastly (most pertinent to regional water balances), whether SWGW interaction influences subsurface storage, evapotranspiration, base flow, and surface runoff is still under debate.