

APPLICATION FORM

To,

The Director,
Maharashtra Remote Sensing Applications Centre,
VNIT Campus, S.A. Road,
Nagpur-440 010.



**Application for empanelment of Consultant -as
..... on contract / purely project mode basis**

Full Name :- _____

Address :- _____

District/City:- _____ State:- _____

Pin:- _____ Contact No(L.L):- _____

Email- Id:- _____ (essential) Mobile No :- _____

Date of Birth _____ Age : _____

Education Qualifications:- (Attach necessary Document)

Education	Stream	University/Institute	Year	Division
Professional Qualification				
Post Graduate				
Graduate				
Diploma				
H.S.S.C.				
S.S.C.				
Computer Edu.				

Work Experience:- (Attach necessary supporting)

Name of institution	Post held	Job description	Duration of job	Monthly remuneration

Special Training acquired (attach necessary documents)

Name of Training	Duration	Name of Institute	Division

Knowledge about Remote Sensing, GIS & AutoCAD: -

Membership of prestigious institution: -

Academic focus/major strength in relevant field: -

Declaration

I hereby declare that information mentioned herein my application is correct and complete to the best of my knowledge and belief and nothing has been concealed or distorted. If at any time, I found to have concealed/distorted any material information, my empanelment as Consultant will be liable for withdrawal / termination without notice or compensation as per MRSAC terms & conditions.

Date :-

Place :-

Sign:-

Name:-

Ganesh Chirkhare

ganeshc.info@gmail.com | +917028440271

EDUCATION

SHRI RAMDEOBABA COLLEGE OF ENGINEERING & MANAGEMENT

M.Tech in Computer Science
2022 | CGPA: 9

G. H. RAISONI ACADEMY OF ENGINEERING AND TECHNOLOGY

B.E in Computer Science
2020 | CGPA: 8.23

LINKS

LinkedIn: Ganesh Chirkhare

Github: <http://github.com/gouravC15>

Google Cloud Skills: Ganesh Chirkhare

SKILLS

PROGRAMMING

- C, C++
- Python
- Object Oriented Programming
- SQL
- Scripting: HTML • CSS

Familiar:

- Data structures
- OS • Linux, MacOS
- Github
- Shell Scripting

OTHER

- Problem Solving
- Leadership
- Self-Learner
- Team player

ACHIEVEMENTS

Google Cloud Ready Facilitator 2021-22.

Google Foobar Contestant.
IIT-Bombay ISRO MAPATHON
noticeable participant.
Earned 3rd place in Technodroid
2019.

Bronze Medalist -International
Olympiad of Science.

EXPERIENCE

MAHARASHTRA REMOTE SENSING APPLICATION CENTRE

Research Intern

PREDICTION OF REGIONAL VEGETATION COVER USING SPATIAL IMAGE FEATURES AND SEMANTIC SEGMENTATION.

- Built an UI for representing regional vegetation through predictions on multispectral satellite image.
- Trained image segmentation model for employing semantic segmentation of satellite imagery based on classes. Reduced complex image labelling task up to 40%.

AUTOMATED EXTRACTION OF IMAGE FEATURES FROM GEOSPATIAL IMAGERY IN FORM OF GRIDS AND IDENTIFICATION OF IMAGES USING ITS CORRESPONDING GRID-ID.

- Worked on digital image extraction and image searching mechanism. Reduced image clipping and storing time up to 70% by scripting spatial modeler and building an efficient searching mechanism.

INDIAN SPACE RESEARCH ORGANIZATION (NRSC)

Intern

REPRESENTATION OF AVERAGE EARTH SURFACE TEMPERATURE ON WEB MAP

- Responsible for designing a map interface for representation of average earth surface temperature for India by applying statistical adaptation to transitioning time series data.
- Created a thematic web map on geo-server.

COJAG SMART TECHNOLOGY PVT LTD

Project Intern & Team Leader

FULLY SKILLED RESTAURANT AUTOMATION

- Designed automated ordering system for the restaurant following a QR-code based closed environment network.
- Integrated IOT devices to reduce manual workload from the employees where 100s of customers can seamlessly order by scanning the QR-code within restaurants local network.

PUBLICATIONS

[1] G. Chirkhare, R. Hablani and S. Balamwar. Prediction of regional vegetation cover using spatial image features and semantic segmentation. International Journal of Health Sciences, 6(S4), 5425–5435. cocariculum

Scopus 2022: <https://doi.org/10.53730/ijhs.v6nS4.9980>.

CO-CURRICULAR

- Served as Head of Technical Club HORIZON 2019–20.
- Google Developers Group Nagpur active member.
- Campus Ambassador at AXIS (2018–21) VNIT Nagpur.
- Campus Ambassador E-Cell VNIT (2019–20).
- Event Coordinator at Innerplanet.



महाराष्ट्र सुदूर संवेदन उपयोजन केंद्र
MAHARASHTRA REMOTE SENSSING APPLICATION CENTRE
(नियोजन विभाग यांची स्वायत्त संस्था, महाराष्ट्र शासन)
(Autonomous Body of Department of Planning, Government of Maharashtra)
क्री. एन. आय. टी. परिसर, दक्षिण अंबाज़री मार्ग, नागपूर – ४४४ ०१० (महाराष्ट्र)
VNIT Campus, South Ambazari Road, Nagpur – 444 010 (Maharashtra)



0712-2238576, 2220086 (EPBX) 0712-2225893 (Fax) info@mrsac.maharashtra.gov.in

Date: 25-07-2022

Letter of Project Completion

To,

Dr. Avinash J. Agrawal
Head of the Department,
Department of Computer Science,
Ramdeobaba College of Engineering & Management,
Nagpur.

Subject: Completion Certificate of M. Tech. 4th Semester student of Computer Science & Engineering

Sir,

This is to convey you that **Mr. Ganesh H. Chirkhare**, M. Tech. 4th Semester student of Computer Science & Engineering has been successfully completed his internship work, titled "PREDICTION OF REGIONAL VEGETATION COVER USING SPATIAL IMAGE FEATURES AND SEMENTIC SEGMENTATION" during 25th November, 2021 to 30th June 2022, at "Maharashtra Remote Sensing Application Centre (MRSAC).

I wish him for bright future and good luck!

Yours,

Sanjay Balamwar

Associate Scientist

S. V. Balamwar
Associate Scientist
MRSAC, Nagpur-440010

Cc: Dr. Ramchand Hablani, Internal Guide, M. Tech. Co-ordinator, Department of Computer Science.

Mumbai Branch:

8th Floor, G. T. Hospital Complex,
Mahapalika Marg, Mumbai – 400 001

MRSAC

29 Years of Excellence
ESTB 1988

Pune Branch:

4th Floor, New Administrative Building,
Opposite Council Hall, Pune – 411 001



महाराष्ट्र सुदूर संवेदन उपयोजन केंद्र
MAHARASHTRA REMOTE SENSING APPLICATION CENTRE
(नियोजन विभाग यांची स्वायत्त संस्था, महाराष्ट्र शासन)
(Autonomous Body of Department of Planning, Government of Maharashtra)
वडी. एन.आय. टी. परिसर, दक्षिण अंबाझरी मार्ग, नागपूर - ४४४ ०१० (महाराष्ट्र)
VNIT Campus, South Ambazari Road, Nagpur - 444 010 (Maharashtra)

0712-2238576, 2220086 (EPBX) 0712-2225893 (Fax) info@mrsac.maharashtra.gov.in



Ref. No. :- MRSAC/Students-RAISONI/UG/ 14/2020

Date: 16-09-2020

TO WHOM SO EVER IT MAY CONCERN

This is to certified that as a part of industry requirement and curriculum of RTM Nagpur University students to get industrial environment exposure, following students named below:

1. Mr. Ganesh Chirkhare
2. Mr. Raghav Jha

of final year undergraduate program in Computer science and Engineering from G H Raisoni Academy of Engineering and technology, Nagpur were successfully completed their final year project work titled " AN APPROACH TOWARDS EXTRACTING THE IMAGE FEATURES OF DIGITAL IMAGE IN THE FORM OF IMAGE GRID AND IDENTIFICATION OF IMAGES BY USING ITS CORRESPONDING GRID ID" which is based on Digital Image Processing, Search Engine, Web Services at Maharashtra Remote Sensing Application Centre, Nagpur.

I wish them the best for their future endeavour

Balaji 16.09.2020
Sanjay V. Balamwar
Associate Scientist,
MRSAC, Nagpur
sv.balamwar@mrsac.gov.in

S. V. Balamwar
Associate Scientist
MRSAC, Nagpur 440010

Mumbai Branch:
8th Floor, G. T. Hospital Complex,
Mahapalika Marg, Mumbai – 400 001

MRSAC
30 Years of Excellence
ESTB 1988

Pune Branch:
4th Floor, New Administrative Building,
Opposite Council Hall, Pune – 411 001

भारत सरकार
अन्तरिक्ष विभाग
भारतीय अन्तरिक्ष अनुसंधान संगठन
राष्ट्रीय सुदूर संवेदन केन्द्र
क्षेत्रीय सुदूर संवेदन केंद्र-मध्य
अमरावती मार्ग, नागपूर-440 033 (महाराष्ट्र)
दूरभाष : 0712-2500393, 2851200
फैक्स : 0712-2851240



Government of India
Department of Space
Indian Space Research Organisation
National Remote Sensing Centre
Regional Remote Sensing Centre - Central
Amravati Road, Nagpur - 440 033 (Maharashtra)
Telephone : 0712-2500393, 2851200
FAX : 0712-2851240

July 16th, 2019

CERTIFICATE

This is to certify that Mr Ganesh H Chirkhare, student of Final year BE (Computer Science and Engineering) from G.H.Raisoni Academy of Engineering and Technology Nagpur has successfully completed his project on "Study of various libraries for Web GIS Development" at Regional Remote Sensing Centre-Central, Nagpur during 28th May 2019 to 15th July 2019.

He was very sincere and hardworking and has an aptitude to learn new advancements in technology.

T P Girish Kumar,

Project Guide

Scientist/Engineer-'SE'

RRSC-Central, Nagpur

Dr S V C Kameswara Rao

General Manager

RRSC-Central

Nagpur



LETTER OF APPRECIATION

September 3, 2018

Ganesh Chirkhare

11724924

This letter is in recognition of your dedicated efforts and the commitment you displayed during the 5-week **Digital Champions - Student Learning Program**. We appreciate and commend you on exceeding the benchmark that was set for successfully completing the program!

We are pleased to inform you that you are among the **Top 500 students across the 4 batches nationally** based on your project submissions. Congratulations!

We hope that you would continue with the same level of commitment in everything you do and wish you all the best in all your future endeavours.

With best wishes,



A handwritten signature in blue ink, appearing to read "Ganesh Chirkhare".

Business Head

Maharashtra

**Shri Ramdeobaba College of Engineering and Management, Nagpur**

Katol Road, Nagpur, Maharashtra, India - 440 013.

(An Autonomous Institute Under UGC act 1956)
Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (Est. 1923)**PROVISIONAL GRADE CARD**

Program Name: M.Tech.(Computer Science & Engineering) Examination: END SEMESTER REGULAR EXAMINATION SUMMER 2022 (RS 2022)

SEAT NO.	CSE22RS4014	UNIQUE ID	20CSE1014CSE1
STUDENT NAME	Ganesh H Chirkhare	ENROLLMENT NO.	20174095542481
MOTHER NAME	SAVITA H CHIRKHARE	FATHER NAME	HARISHCHANDRA S CHIRKHARE
SEMESTER	IV		



Code	Course Name	N/M	C	Grade
CSP654	Project Phase-II	12.0	AA	

Incentive Grade Points

- -

SGPA	ΣC	ΣEC	ΣCP	SGPA	CGPA	ΣC	ΣEC	ΣCP	CGPA
	12.0	12.0	120.0	10		71.0	71.0	651.0	9.17

Result : Successful**Date :****Controller of Examination :**

Abbreviations: C :-The number of Credits offered, Gr:-Grades earned by student, P:-Grade points earned in the course.N:-Not in first Attempt. M: With Makeup Examination, Ec = Earned Credits, SGPA:- Semester Grade Point Average $= (\Sigma CP / \Sigma C)$, CGPA:- Cumulative Grade Point Average.

THIS STATEMENT IS NOT VALID UNLESS IT BEARS THE SIGNATURE OR SIGNATURE STAMP OF CONTROLLER OF EXAMINATION WITH SEAL OF COLLEGE

(This Statement is subject to corrections, if any),

Printing Date & Time : Aug 17, 2022 04:23 PM

नामांकन सं. / Enrolment No.: 2021861195949



CERTIFICATE OF COMPLETION ONLINE COURSE

यह प्रमाणपत्र

MR. GANESH H CHIRKHALE

को “सुदूर संवेदन एवं डिजिटल छवि विश्लेषण”
में ऑनलाइन पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है।

इस ऑनलाइन पाठ्यक्रम का आयोजन 16 अगस्त, 2021 से 10 सितंबर, 2021 (कुल पाठ्यक्रम की अवधि = 25 घंटे 30 मिनट) के दौरान किया
गया।

(संबन्धित आई.आई.आर.एस नोडल केंद्र- श्री रामदेवबाबा कॉलेज ऑफ इंजीनियरिंग एंड मैनेजमेंट, नागपुर)

THIS CERTIFICATE IS

AWARDED TO

MR. GANESH H CHIRKHALE

ON COMPLETION OF THE ONLINE COURSE ON

“Remote Sensing & Digital Image Analysis”

THIS ONLINE COURSE WAS CONDUCTED DURING **16-08-2021 to 10-09-2021** (Total course duration = 25 hrs & 30
minutes).

(Concerned IIRS Nodal Centre- Shri Ramdeobaba College of Engineering and Management, Nagpur)

Online Exam Grade: **B**

Attendance: **94 %**

Date: **25-10-2021**

Place: Dehradun

समन्वयक, विश्वविद्यालय/संस्थान
Coordinator, University/ Institution

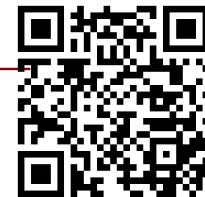

निदेशक/ Director
आई.आई.आर.एस, देहरादून/ IIRS, Dehradun

UID- 2799f65cc5ef68815c3f87f6f0584b5e .This Certificate can be validated using URL- <https://certificate.iirs.gov.in>

*>80% -(A+), 70-80% -(A), 60-70% -(B+), 40-60% -(B)

IITB-ISRO-AICTE Mapathon

Certificate for Participation



9a217

This is to certify that

Ganesh Chirkhare

of team **MAPATHON0735** is recognised as a Notable Participant
in the IITB-ISRO-AICTE Mapathon, an initiative of the FOSSEE
(Free/Libre and Open Source Software in Education) Project, IIT Bombay
in association with ISRO (Indian Space Research Organisation)
and AICTE (All India Council for Technical Education).

The Mapathon was held between 7 Dec. to 22 Dec. 2020.

Prof. Kannan Moudgalya
Principal Investigator - FOSSEE
IIT Bombay



Indian Institute of
Technology Bombay

Mr. Shantanu Bhatawdekar
Director, Earth observation
and DMS programme office, ISRO



This is a computer generated certificate and requires no signature. To verify, scan the QR code or visit: <https://fossee.in/certificates/verify>
The FOSSEE project is funded by the National Mission on Education through ICT, Ministry of Education(MoE), Govt. of India.