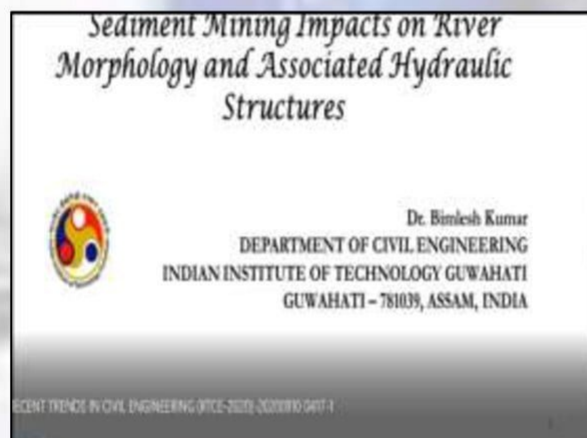


# NIRMAAN

A Newsletter from Department of Civil Engineering, R.G.M.C.E.T. Nandyal  
Volume 8, No II , July -2020



**Rajeev Gandhi Memorial College of Engineering & Technology**  
(Autonomous)  
NANDYAL-518501, Kurnool Dist., A.P.  
Approved By AICTE, New Delhi, Affiliated to JNTUA, Anantapur by MBA, B.Tech and NAAC 'A+' Grade  
Centre for Potential Excellence

**Ek Bharat Shrestha Bharat (EBSB)**  
( Pairing of Higher Educational Institutions )  
**Teacher Exchange  
&  
Student Exchange Programme**

Venue : Mata Gujri College, Fatehgarh Sahib, Punjab.  
Date : 16-01-2020 to 21-01-2020

Dr.M.Santhi Ramudu  
Chairman

Dr.T.Jayachandra Prasad  
Principal & Nodal Officer

Dr. J. Sofia Priya Dharshini  
EBSB Coordinator



**RAJEEV GANDHI COLLEGE OF ENGG & TECH(Autonomous)**  
**Nandyal, Andhra Pradesh**



## VISION

To be an outstanding department devoted to provide value based education in Civil Engineering which will produce socially aware professionals to provide solutions of global standards.

## MISSION

- To impart quality education that develops innovative professionals with research orientation and entrepreneurs.
- To prepare professionals with emphasizes on leadership, team work and ethical conduct.
- To undertake collaborative projects and consultancy works with academia and industry.

## PROGRAM EDUCATIONAL OBJECTIVES

<b>PEO-1</b>	<b>Assessing societal needs and plan suitable infrastructure</b>
<b>PEO-2</b>	<b>Excel in Civil Engineering and in other allied fields</b>
<b>PEO-3</b>	<b>Develop team spirit and inter personal dynamics for effective execution and management of projects</b>
<b>PEO-4</b>	<b>Adhering life-long learning skills and adopt to changing professional and societal needs</b>

## PROGRAM SPECIFIC OUTCOMES

<b>PSO1</b>	<b>Capability to investigate, plan, analyze and design buildings for different purposes such as residential, commercial, public office, recreational etc. using STAAD Pro and relevant software</b>
<b>PSO2</b>	<b>Competency in preliminary engineering surveys, planning and design of infrastructure viz. roads, bridges and designing traffic control systems etc. using MX-Roads and other relevant software programs</b>
<b>PSO3</b>	<b>Conduct field and laboratory tests for analysis and quality control of civil engineering projects</b>



# NIRMAAN



**A Newsletter from School of Civil Engineering, R.G.M.C.E.T. Nandyal, July -2020**

## *Editorial*

*It is a great pleasure to present before you the July month issue of 'NIRMAAN', the half-yearly newsletter of School of Civil Engineering, R.G.M.C.E.T, Nandyal. The current newsletter highlights the activities of our students and the achievements of faculty during the past semester. It also features visits by eminent persons to the department of Civil Engineering -R.G.M.C.E.T, Nandyal. The dynamism of the department is clearly reflected through the awards that our faculties and students have bagged in their credit. The main intent of 'NIRMAAN' is to disseminate information about our Department. We hope that the readers find the issue informative and useful.*

## **EVENTS ORGANISED**

1. School of Civil Engineering Conducted industrial visit to “**Owk reservoir Complex and GNSS Owk Tunnel** on 29/02/2020.



2. A two week training program on ‘ **AutoCAD and REVIT software**’ was conducted by Dhyan



Academy in Department of CE from 06/01/2020 to 10/01/2020. The training was given by Neethu Ranikar, Dhyan academy and a total of 39 students attended.



3. With ref. to the letter dated on 8/11/2019 from AICTE, the Ministry of Human Resource & Development has paired **Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh** with **Mata Gujri College, Fatehgarh Sahib, Punjab**. In this regard, a group of 100 students were selected to form EBSB club in RGM CET. The following programmes have been organized by the EBSB club:

- Student Exchange Programme
- Teacher Exchange Programme
- EBSB Day
- EBSB Webinar
- EBSB Quiz
- EBSB Cultural Competition

Student Exchange Program was conducted by RGM CET, Nandyal, AP from 16/01/2020 to 21/01/2020. Around 30 students of RGM CET and two faculty coordinators travelled to the paired institution (MGC Punjab) for this EBSB Program.

List of students who participated in EBSB Program is given below:

Sno	Name	Year of Study	Department	Roll Number	Event Participated
1	K.RAJESH	Second	CIVIL	18091A0151	Dance
2	P.RAJA JACINTH	Second	CIVIL	18091A0148	Dance
3	SMD.SAHIB QHADRI	Second	CIVIL	18091A0155	Speech
4	B.PAVAN GANESH	Second	CIVIL	18091A0140	Dance
5	VENKATA PUNEETH	Second	CIVIL	18091A0182	Photography



4. Entrepreneurship Awareness Camp-II is Conducted under DST-NIMAT in RGM CET . It is Sponsored by Entrepreneurship Development Institute of India (EDII), Gujarat , held from 24/02/2020 to 26/02/2020.

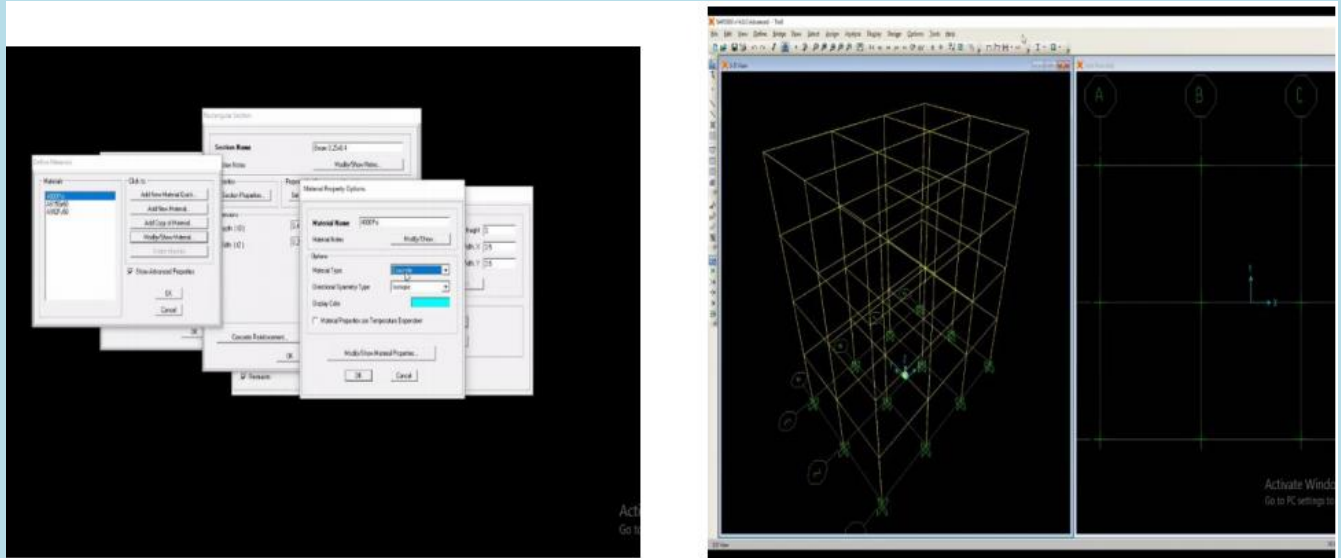
List of students who participated from the department is stated below :

S.No.	Name Of The Participant	Department	Year of Study
1	J S Ibrahim	Civil Engineering	4th year
2	N. Akhil Raj	Civil Engineering	3rd year
3	Nagesh	Civil Engineering	3rd B. Tech 2nd sem
4	Tejaswini	Civil Engineering	4
5	A.Venkata Subba Reddy	Civil Engineering	4
6	B.Uday Raj	Civil Engineering	4th year
7	Afghan Suhel	Civil Engineering	4
8	A.Mohammed Nisar Basha	Civil Engineering	4TH
9	P Goutham Gangadhara Hara	Civil Engineering	3rd Btech
10	N.Kumara Swamy	Civil Engineering	4
11	A.Sai Charan Tej	Civil Engineering	Final year
12	Meenuga Nagesh	Civil Engineering	3rd B. Tech 2sem





5. A 5-day FDP on ‘**Introduction to SAP 2000**’ was conducted by department of civil engg from 16/06/2020 to 20/06/2020. Resource person for this FDP is Dr. C Rajaram, Assistant Professor, Dept of CE, RGM CET.



6. A short term training program on “ **REAL TIME ANALYSIS AND DESIGN OF G+4 SEMI-COMMERCIAL BUILDING AS PER IS CODE USING STAAD-Pro**” by Mr. S Talha Zaid, Structural Design Engg, Pravas Infra Consultants, Hyderabad, from 22/06/2020 to 04/07/2020. 74 students attended the training program.


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**DEPARTMENT OF CIVIL ENGINEERING**  
**Short Term Training Programme**  
**Real-Time Design of Semi-Commercial**  
**Live Building (G+4) using STAAD Pro**  
**Resource Person : SYED TALHA ZAID**  
 Structural Designer & Consultant (Buildings & Bridges)  
 PRAVAS Infra Consultants Pvt. Ltd., Secunderabad.

**Date & Time:**  
 June 22<sup>nd</sup> to 2<sup>nd</sup> July  
 07:30 AM to 08:30 AM

E- Certificates will be issued  
 Registration link: <https://forms.gle/qH4jWRSrGXcQRSF96>

**Requirements:**  
 Zoom app on Mobile/PC  
 with High Speed Internet

**Coordinator : T Raghavendra Contact : 6303309485**

**Enrollment Fee: Rs 250/- per person Google Pay / PhonePe- 8897166351**

**Dr.M.Sanathi Ramudu**  
 Chairman

**Dr.T.Jayachandra Prasad**  
 Principal

**Dr.G.Sreenivasulu**  
 HOD, CE Dept.

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## FACULTY ACHIEVEMENTS

### FDP'S ATTENDED

1. **Dr.M.Sunandana Reddy , Mr.C.Krishnama Raju & Ms.B.Rohini** has participated Online FDP on “Practical aspects of finite Analysis using ABAQUS” Organized by *APSSDC-DASSAULT* from 18/04/2020 to 24/04/2020.
2. **Dr.M.Sunandana Reddy ,Ms.B.Rohini ,Mr.C.Krishnama Raju & Ms.A.Mounika** has participated Online FDP on “Automotive Structures Design Using CATIA” Organized by *APSSDC-DASSAULT* from 30/04/2020 to 02/05/2020.
3. **Dr.G.Sreenivasulu** has participated in the 5 day FDP on “IPR Awareness and patent Prosecution” Organized by the CMR Engineering College from 06/05/2020 to 10/05/2020.
4. **Dr.M.Sunandana Reddy** has Participated in Online Faculty Development Programme on “Recent Advancements in Civil Engineering” on 21/05/2020 to 23/05/2020.
5. **Dr.M.Sunandana Reddy** has Participated FDP on “Global Trends in Civil& infrastructural Engineering” from 26<sup>th</sup> to 30<sup>th</sup> May 2020.
6. **Dr. J.Joel Shelton** has participated in A three Day National level Online FDP on “Rehabilitation and Retrofitting of Structures” organized by Sree vidyanikethan Engineering College from 04/06/2020 to 06/06/2020.
7. **Mr.Vishal Sudhakar Phulari & Mr.Shivaraj Kumar** has participated in FDP on “Emerging Trends in infrastructure & structural Engineering” organised by Marri lakshma reddy college of engineering from 02/06/2020 to 06/06/2020.
8. **Mr. B. L. Eshwarayya, Mr. J. Joel Shelton, Mr.Y.T.Thilak Kumar, Mr.Shiva Raj Kumar, Ms. Snehal Raymane , Mr.V.Phulari , Mr.M.Zuber Patel, Mr.G.N.Sreekanth ,Dr.M.Sunandana Reddy & Ms.A.Mounika** has participated in 5Day FDP on “preserving Environment- Eco friendly systems” organized by VEMU Institute of Technology from 15/06/2020 to 19/06/2020.
9. **Dr.G.Sreenivasulu, & Mr.G.N.Sreekanth** has participated in one week FDP on “introduction to SAP-2000” from 16/06/2020 to 20/06/2020.



## Webinars/Web course /Short Term Courses Attended

1. **Dr.M.Sunandana Reddy** has completed the Web courses on “ Getting Started with GIS” and “Using GIS to solve Problems” Organised by ESRI on 20/04/2020.
2. **Ms.B.Rohini** has successfully completed 100% of the self paced training course on ‘MATLAB ‘onramp Organised by mathworks on 29/04/2020.
3. **Mr.T.Raghavendra** has attended the courses on “Interior design’ by udemy and ‘Data entry operation’ by Swayam.
4. **Ms.B.Rohini** completed online course on “Structural and Foundation analysis” conducted by *Skyfilabs* on 6<sup>th</sup> July 2020.
5. **Dr.B.Nagakiran** has Successfully completed the module on “Ethics responsibilities for peer reviewers” organized by Research academy on 01/05/2020.
6. **Mr.P.Manoj Kumar ,Mr.G.N.Sreekanth ,Mr.C.Krishnama Raju & Ms.B.Rohini** has participated in webinar on “Forensic Structural Engineering” organized by K.D.K College of Engineering, Nagpur on 03/05/2020.
7. **Mr.B.L.Eshwarayya** attended a Course on “Special concrete for special Structures” organized by ICI-Bangalore centre on 08/05/2020.
8. **Mr.B.Naga Kiran** has successfully attended the India First Leadership Talk webinar organized by MHRD’s Innovation Cell on 09/05/2020.
9. **Mr.Mahammad zuber patel** has successfully attended the India First Leadership Talk webinar organized by MHRD’s Innovation Cell on 09/05/2020.
10. **Dr.B.Naga Kiran** has participated in webinar on “Innovation & Sustainability Through Construction Chemicals” Organized by K.D.K College of Engineering, Nagpur on 14/05/2020.
11. **Mr.G.N.Sreekanth & Dr.B.Naga kiran** has participated in Webinar on “Understanding BIM Opportunities for students and Teachers” Organized by GITAM.
12. **Mr.B.Naga kiran** has actively participated in the Webinar on “Enhancing Employability Skills For Future” Organised by Eswari College Of Engineering on 14/05/2020.
13. **Dr.M.Sunandana Reddy** has Participated webinar on “Post Covid-19:Resurgence of Indian Industry and R&D” Organized by SRM University-AP on 15/05/2020.

14. **Mr.Y.T.Thilak Kumar** has Attended the webinar on “Understanding of disputes, Mitigation& Resolution in a construction Project” Organized by ICI-Banglore Centre on 16/05/2020.
15. **Mr.Y.T.Thilak Kumar , Ms.B.Rohini , Ms.A.Mounika & Dr.M.Sunandana Reddy** has participated in webinar on “IT Intervention in Civil Engineering” Organized by Cambridge institute of technology, Bengaluru on 16/05/2020.
16. **Mr.C.Krishnama Raju** has attended Leadership Talk organized by MHRD’s Innovation Cell on 16/05/2020.
17. **Mr.B.L.Eshwarayya** has Attended Webinar on “Readymixed Concrete Production Process-Challenges & Remedies” Organized by ICI-Banglore Centre on 17/05/2020.
18. **Ms.A.Mounika** has attended a 3Day Webinar on “Advancements in Civil Engineering” Organized by Eswari Engineering College From 14-16<sup>th</sup> May 2020.
19. **Mr.B.Nagakiran, Mr.C.Krishnama Raju ,Ms.B.Rohini & Ms.A.Mounika** has participated in Indo china Research web series in Civil and Environmental Engineering from 8<sup>th</sup> -19<sup>th</sup> May-2020.
20. **Ms.B.Rohini & Mr.G.N.Sreekanth** has attended the Two Day Short Term Course on “ Disaster Management and its Mitigation” Organized by Aligarh Muslim University on 20-21<sup>st</sup> May 2020.
21. **Mr.G.N.Sreekanth** has attended Webinar on “ Air Quality prediction using machine learning techniques” organized by Sona College of Technology on 23/05/2020.
22. **Mr.G.N.Sreekanth** has participated in the webinar on “Construction of buildings using Green Concept” Organized by Eswari Engineering College on 26<sup>th</sup> May 2020.
23. **Ms.B.Rohini** has Participated webinar on “Restrained Shrinkage & Thermal Cracking in Concrete” Organized by K.D.K College of Engineering on 27/05/2020.
24. **Mr.G.N.Sreekanth** has participated in webinar on “ An overview on concrete mix proportioning” organized by ICOMAT,Chennai on 03/06/2020.
25. **Mr.T.Raghvendra** has participated in webinar on “Concrete: Modern era” organized by K.P.R Institute of Engineering and Technology on 04/06/2020.
26. **Mr. Joel Shelton & Dr.M.Sunandana Reddy** has participated in online webinar on “Environment and Sustainable Development” organized by Vidyavardhaka College of Engineering on 05/06/2020.

27. **Mr.G.N.Sreekanth** has participated in E-Expert talk on “Aim and planning of in-situ Testing in Concrete Structures” organized by IIT Roorkee on 6/06/2020.
28. **Mr.T.Raghvendra** has participated in webinar on “Project Management using Primavera” organized by K.P.R Institute of Engineering and Technology on 06/06/2020.
29. **Mr.C.Krishnama Raju & Mr. B. L. Eshwarayya** has participated in online webinar on “Environment and Sustainable Development” organized by Vidyavardhaka College of Engineering on 05/06/2020.
30. **Mr.C.Krishnama Raju, Ms.J.Sravani & Mr.Shivaraj Kumar** has participated in National Level Online Bootcamp of career Building with python from 01/06/2020 to 07/06/2020 Organized by Codegon IT Solutions OPC PVT.LTD.
31. **Mr.G.N.Sreekanth** has participated in National Webinar on “ Mechanics and Mathematics in Civil Engineering” organized by ST.Justin college for women on 10/06/2020.
32. **Mr.G.N.Sreekanth** has Successfully completed two workshop on “Revit Architecture” organized by eswari college of Engineering from 09/06/2020 to 10/06/2020.
33. **Mr.G.N.Sreekanth** has participated in E-Expert talk on “vastu Shastra in modern civil Engineering” on 10/06/2020.
34. **Mr.G.N.Sreekanth** has attended a webinar on “ Alternative to River sand-A solution” organized by ICI Vijayawada centre on 10/06/2020.
35. **Mr.B.L.Eshwarayya & Mr.Y.T.Thilak** has participated in Sustainability in buildings and Built Environment organized by BIS New delhi on 12/06/2020.
36. **Mr.M.Zuber Patel** has attended webinar on “web Application Security” organized by Loyola Institute of Technology on 12/06/2020.
37. **Ms.Snehal Raymane , Mr.Vishal Phulari** has attended webinar on “web Application Security” organized by Loyola Institute of Technology on 12/06/2020.
38. **Dr. G. Sreenivasulu & Mr. Zuber patel** has participated in web based workshop on “Sustainability in Buildings and Built Environment as per NBC 2016” on 12/06/2020.
39. **Ms.A.Mounika, & Ms.B.Rohini** has participated in online webinar on “3D Painting Technologies & its functional Application” from 11/06/2020 to 12/06/2020.



40. **Dr.G.Sreenivasulu** has participated in webinar on “Creativity & Design Thinking in Engineering” organized by KLE Dr. M. S. Sheshgiri College of Engineering and Technology. On 13/06/2020.
41. **Mr.B.L.Eshwarayya &Mr. P. Lava Kumar Reddy** has participated in the webinar on “Creativity & Design thinking in Engineering” on 13/06/2020.
42. **Mr. B. L. Eshwarayya & Ms.Snehal Raymane** for attending webinar on “The limiting Height and span of structures” on 13/06/2020.
43. **Dr. G. Sreenivasulu** has participated in webinar on “Smart irrigation using IOT” organized by GMIT on 15/06/2020.
44. **Mr. Zuber patel** has participated in E-Expert talk on “ Steel structures: A limit state Approach” on 17/06/2020.
45. **Ms. A. Mounika & Mr.Eshwarayya** has participated in webinar on “ Nanotechnology in Concrete” organized by ICI-Vijayawada centre on 20/06/2020.
46. **Ms. A. Mounika & Mr.G.N.Sreekanth** has successfully attended leader ship talk organized by MHRD Innovation cell on 20/06/2020.
47. **Dr.G.Sreenivasulu** has participated in webinar on “ Nanotechnology in Concrete” organized by ICI-Vijayawada centre on 20/06/2020.
48. **Mr.B.L.Eshwarayya** has participated in web series on “ Analysis & Design of liquid Retaining Structures” on 22/06/2020.
49. **Mr.B.L.Eshwarayya** has participated in four day International webinar on “ BIO-Conclave – An intellectual war against COVID-19 Pandemic” organized by Hindu college of pharmacy from 19/06/2020 to 22/06/2020.
50. **Dr.G.Sreenivasulu ,Mr.C.Krishnama Raju ,Mr.P.Manoj kumar Mr.Patan Azmatullah Khan** has been awarded as Certified Microsoft innovation educator on 26/06/2020.
51. **Mr.C.Krishnama Raju** has been certified for participating in “Augmented Reality boot camp” organized by Codegan IT solutions from 22<sup>nd</sup> june to 27<sup>th</sup> june 2020.

## PUBLICATIONS

### Journal Articles

#### International Journals

1. **T.Raghavendra, B.Rohini, D.NagaMohan**, 2020, “An Experimental Study On The Mechanical Properties Of Reactive Powder Concrete By Using Cement Replacement Of Metakaolin”, ‘Advances in Engineering, Management and Sciences’. Institute of Mechanics of Continua and Mathematical Sciences ISSN: 2454-7190, Special Issue, No-5, Page No’s \_ 140-149. Published : January 2020. (E-SCI)
2. **K.Madhan Gopal, G.Sreenivasulu, C.Sashidar**, 2020, “Study The Strength Development Of Concrete With Wood Ash Blended Cement”, ‘Institute of Mechanics of Continua and Mathematical Sciences’, ISSN: 2454-7190, Special Issue, No-5, Page No’s \_ 379-385. Published : January 2020. (E-SCI)
3. **Mukherjee, K.** and Mishra, A. K. (2019). “Undrained performance of sustainable compacted sand-bentonite–glass fiber composite for landfill application”, ‘Journal of Cleaner Production’, 244, 118662. <https://doi.org/10.1016/j.jclepro.2019.118662> (IF= 6.395), Published : 20 January 2020 (SCI - E)
4. **Mukherjee K., Mishra A.K.** (2020): Experimental and Numerical Study on Compacted Sand Bentonite-Tire Fiber Composite for Landfill Application, ‘Advances in Computer Methods and Geomechanics’. Lecture Notes in Civil Engineering, vol 55. Springer, Singapore ([https://doi.org/10.1007/978-981-15-0886-8\\_22](https://doi.org/10.1007/978-981-15-0886-8_22)), Published : 15 January 2020 (Book Chapter)
5. **M.Sunandana Reddy**, 2020, “Geospatial Technologies in the Mapping of Landslide Hazard Zonation”, ‘ International Journal of Disaster Recovery and Business Continuity’, ISSN: 2005-4289 IJDRBC Vol. 11, No. 1, (2020), pp.1082-1093. Published : April 2020. (E-SCI)

### Conference Articles

- 1.**Dr.M.Sunandana Reddy**, “Application of Geospatial Technologies in Landslide Hazard Zonation Mapping”, ‘UGC Sponsored National Conferences on application of Geospatial

Technologies in Management of Natural Resources and Diasater (AGTMNRD)'. ISBN 978-93-5288-766-8 published : 17th - 18th Febraury 2020

2.**Dr.M.Sunandana Reddy**, “Estimation of Runoff using SES-CN Meethod and Geospatial Technologies in Kunderu River Basin”, ‘UGC Sponsored National Conferences on application of Geospatial Technologies in Management of Natural Resources and Diasater (AGTMNRD)’. ISBN 978- 93-5288-766-8 published : 17th - 18th February 2020

## **TESTING AND CONSULTANCY PROJECTS**

Testing and Consultancy Record from July 2019 to June 2020 amounted to **Rs. 1,16,600.**