



**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
(A Deemed University u/s 3 of UGC Act , 1956)  
**MESRA – 835215 (RANCHI) INDIA**

Metric 1.3.4

Department/Section: Architecture

Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year

Programme name	Program Code	List of students undertaking field projects /research projects / internships
Bachelor of Architecture	BA0101	TAHA RAHMAN
		KEVIN SHAJI THOMAS
		MONAL AMBASTHA
		SIDDHARTH SOUMYA ROY
		NANDINI BISWAS
		SUREN MAHANT
		ANKIT PRASAD
		LALHRIATPUII -
		RAMAN RAVI BESRA
		VISHWANATH HEMBRAM
		ANNU ANJALI
		VEDANTH DHAL
		SUNNY SUMAN KULLA
		NIRAJ KUMAR TUDU
		DIVYA SINGH
		SWAPNIL SAURABH KERKETTA
		NISHANT KAUTILYA
		RAM RAVI HIRAMAN
		SHIVANGI SINGH
		AMAN KUMAR
		HANIA RIZWAN
		PRAKASH KUMAR GUPTA
		PANKAJ KUMAR
		ANKIT KUMAR
		HARSH KASHAYAP
		RAM ROSHANKUMAR DEEPAK
		PRATYASHA DAS
RONIT KUMAR PUROHIT		
RAKESH RAUSHAN		
G. ROHITH SAI REDDY		
ANAMIKA		

*Anamika*  
u/i



Design Hub Architects  
2nd Floor, Gram Guru Education Society,  
Opposite Archbishop House, Purulia Road, Ranchi-1  
Call:- +91-9771433894, +91-9279051520  
E-mail: msdesignhub@gmail.com

Ref. No.: DHA/INT/01/2020

Date: May 13, 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. **Vishwanath Hembram**, a student of Bachelor of Architecture, Birla Institute of Technology, Ranchi bearing Roll no: B.Arch./10013/2015 has undergone his practical training in our organization from January 8, 2020 to May 13, 2020. He had successfully contributed in various architectural projects like residence, school, hospital, and multi-dwelling. He was involved in conceptual design, working drawing, estimation, submission drawings and measured drawing.

He is sincere and hardworking. I find Mr. Vishwanath Hembram to be independent and well behaved and expect him to develop and excel into a responsible person in the profession.

I wish him best wishes for his future endeavor to explore the field of Architecture.

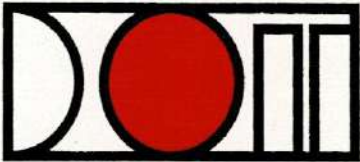
For Design Hub Architects

**Pradeep Samir Ekka**  
ARCHITECT  
CA/2008/43748

Pradeep Samir Ekka

Architect





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TECHNIQUES

e-mail : dotconsultant@gmail.com  
www.dotconsultans.in

architects | planners | engineers | interior designers

June 5 2020

To Whom It May Concern

This is to certify that Pankaj Kumar S/O Mr Laxman Mahto, student of Birla Institute of Technology, Mesra, Ranchi, has completed his 16 weeks architectural training (from 4<sup>th</sup> Jan 2020 to 21st March 2020 work from office and from 22<sup>nd</sup> march 2020 to 4<sup>th</sup> May 2020 work from home) at our office. During his training period he was involved in several Architectural projects.

He is sincere and a fast learner and we are satisfied with his performance. We wish him success in all his future endeavors.



For

Design Oriented Techniques



Date: 18/05/20

To,  
Head Department of Architecture,  
Dr. Satyaki Sarkar,  
Birla Institute of Technology, MESRA<  
Ranchi- 835215

Subject: Internship completion certificate.

Dear Sir,

This is to certify that Mr. Siddharth Soumya Roy has successfully completed professional internship in the role of 'Architecture Trainee' at 'ashok mokha architects', Nagpur for a period of 16 weeks (2nd Jan'20 to 5<sup>nd</sup> May'20).

During this period, he worked on various architecture and working drawings and successfully met the objectives that were set at the beginning of the project. He shows a lot of promise and skill in his work and we wish him all the best in all his future endeavors.

Thanking you,



Ashok Mokha  
architect, f.i.i.a

Dated 5<sup>th</sup> June, 2020

To: Whosoever it may concern

This is to certify that **Prakash Kumar Gupta (B.Arch/10029/2015)** B.Arch from Dept. of Architecture. **Birla Institute of Technology, Mesra** has undergone his 5<sup>th</sup> year training semester at **Apurb and Associates, Ranchi** office from the 4<sup>th</sup> January 2020 through the 4<sup>th</sup> may 2020.

Prakash Kumar Gupta worked on the following projects during the courses of his internship:

1. J.K RESORT, RANCHI
2. MEDITATION CENTER, LEH
3. ARVIND AGARWAL RESIDENCE, RANCHI
4. BAIJNATH ORAON RESIDENCE, RANCHI
5. DINESH MISHRA RESIDENCE, RANCHI
6. MR. ANIL APARTMENT, RANCHI
7. SAIN OVERSEAS APARTMENT, RANCHI
8. SHAMIM JI RESIDENCE, RANCHI
9. N. HEMBROM RESIDENCE, RANCHI
10. JYOTISH EKKA RESIDENCE, RANCHI
11. SANJAY KUMAR BHAGAT BUNGLOW
12. CHINTU DORAI BUNGLOW
13. FARHAN SCHOOL

Sincerely,



APURB MINZ (B. Architecture)  
Reg. No.-CA/2002/30039

Principal Architect  
Apurb Minz

Sourav Toppo  
Project Architect

Date: 05.06.2020

## **TO WHOM IT MAY CONCERN**

This is to certify that **Ms. Pratyasha Das**, a 10<sup>th</sup> Semester student of Architecture from Birla Institute of Technology, Mesra Ranchi has successfully completed her training from the 6<sup>th</sup> of January, 2020 to the 5<sup>th</sup> of May 2020 in **I Design Architects & Interior Designers**. During this period she has covered all the basics of the training requirements, primarily including quantity estimates, working drawings, 3D Rendering, Presentation Drawings, Measured Drawings and Site Visits.

I wish her success for her future endeavours.



For I Design  
Authorized Signatory

**Ar. Swati Vaidya**

**(Founder Architect- I Design Architects & Interior Designers)**

# **S.P&ASSOCIATES**

**ARCHITECTS, ENGINEERS, INTERIOR & LANDSCAPE DESIGNERS**  
204, MAHARAJA KAMESHWAR COMPLEX, FRASER ROAD PATNA.  
E-mail: architect.shyam@gmail.com

REF:spa/pat/137-2020-2021

DATE: 18.05.2020

## **TRAINING CERTIFICATE**

### **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that RAKESH RAUSHAN student of Bachelor Of Architecture, of B.I.T. MESRA (RANCHI), Roll.No:B.Arch/10036/15 , Semester/Year-Xth Sem./Vth Year has undergone a ARCHITECTURAL INTERNSHIP in our organization from 07th January 2020 to 30th April 2020.

He has proved to be very good at design and exhaustive in his work . Always enthusiastic, he has an exemplary ability to learn, research, analyze a design problem and adapt to the ever changing needs of the market.

As a diligent designer, good communicator, well conversant with latest CAD visualization and rendering techniques and an affable person, he would be an asset to any office...

We wish him great success ahead .....

YOUR'S FAITH FULLY  
AR. SHYAM PRASAD



**DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY, MESRA**

**PROFORMA FOR MARKS**

NAME OF THE CANDIDATE: RAKESH RAUSHAN

ROLL NO: B.ARCH/10036/15

DATE OF JOINING OF TRAINING: 07.01.2020

DATE OF COMPLETION OF TRAINING: 30.04.2020

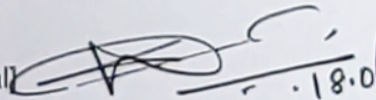
SL. NO.	ASPECTS	TOTAL MARKS	MARKS ALLOTTED
1	Task completion in time	20	18
2	Design capabilities	20	15
3	Communication skill	20	18
4	Site supervision abilities	20	15
5	Intellectual potential	20	18
6	Ability to work with others	20	18
7	Creativity and imagination	20	16
8	Maturity & Self confidence	20	16
9	Ability to analyze a problem	20	16
10	Motivation	20	18
	<b>TOTAL</b>	<b>200</b>	<b>168</b>

Name of the office supervisor: SHYAM PRASAD

Designation: ARCHITECT

Signature:

[with office seal]

 .18.05.2020



Name of the Office: S.P&ASSOCIATES

Address of the office: 204, MAHARAJA KAMESHWAR  
COMPLEX, FRASER ROAD, PATNA-800001

N.B: *to be sent in a sealed envelop to  
The Head, Department of Architecture, Birla Institute of Technology, Mesra,  
Ranchi - 835215  
or dispatched by hand through the candidate*



June 10th ,2020

**INTERNSHIP - EXPERIENCE CERTIFICATE**

This is to certify that Mr Ram Ravi Hiranman , student of Vth Year Bachelor Programme in Architecture Birla Institute of Technology , Mesra , Ranchi worked with our organization as trainee architect for 20 Weeks (5) months from 06 01 2020 to 06 06 2020 .

During this tenure with us , he was involved in various prestigious projects in Architecture, Interior Design and landscaping, work ranging from presentation to working drawings. We found him to be a dedicated, sincere and hardworking individual.

Some of the projects on which she worked are as under:

01. Celebration Club House @ Ranchi .
02. Mr Ajit John Beck Residence @ Ranchi
03. Mr.Gangandeeep Grover Hotel @ Ranchi
04. Kanke Dam,Water front @ Ranchi
05. Getalsud Farm House,Getalsud @ Ranchi
06. Maati Jungle Lodge Interiors @ Bandhavgarh
07. Pastor House @ Ranchi
08. Mr Suraj Bagla Residence @ Ranchi
09. Mr Lalit Modi Residence @ Ranchi
10. Mr Sachit Garodia Residence @ Ranchi
11. Mr Alok Kataruka Residence @ Ranchi
12. Mr Ayush Jain Residence @ Ranchi
13. Mahindra Showroom Kokar @ Ranchi
14. Mr Anil Singh Residence @ Dhanbad
15. .Mr.Sandep Khanna Residence @ Ranchi

We wish him all the success for the future.

For Metarch Studios

Anupam Deb  
Principal Architect.  
B.Arch , BIT Mesra  
M.S. Architecture and Urbanism, Politecnico Di Milano , Italy



**Ar. Atul Kumar.**  
(Principal Architect)

B.Arch.-B.I.T. Mesra, Ranchi.  
COA No. -B.Arch/CA/2011/54232.  
Member of iiA



Dated: 3<sup>rd</sup> June 2020

**To whom it may concern**

This is to certify that **Mr.Ram RoshanKumar Deepak**, Registration no. **B.Arch/10033/15**, a student of 5<sup>th</sup> year Architecture from Birla Institute of Technology, Mesra, Ranchi has worked in our Architectural and Engineering Consultancy Firm as a trainee Architect from 6<sup>th</sup> of January 2020 to 30<sup>th</sup> May 2020.

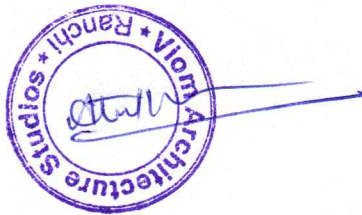
During this period he has worked on various type of Architectural works such as presentation dwg, 3D views, working dwg, elevation, etc. for the private and semi private project.

During this period he also visited some sites for the layout and supervision of civil and interior works.

As a trainee Architect he has shown fair in conceptual design and working drawing. He has a good perception of design.

We wish him all the best for his future professional work.

Regards,



**Atul Kumar**  
(Principal Architect)



**Nalin Goel**

Architect

B. Arch (S.P.A), Member of C.A

E 605, Baikunth Palace, M P City,  
Adityapur, Jamshedpur – 832109  
Phone: +91 657 2200123,  
+91 9334007673  
Email: office@nalingoel.com  
Website: www.nalingoel.com

Date: 16<sup>th</sup> May 2020

**TO WHOM IT MAY CONCERN**

This is to certify that **Mr. Ravi Raman Besra**, of **B.I.T Mesra** having **Roll #BARCH/10012/2015** has successfully completed his internship from 8<sup>th</sup> January, 2020 - 16<sup>th</sup> May, 2020.

During his internship he was exposed to various projects that include Residential, Renovation, Public toilet and Industrial projects along with time to time site visits.

We found him extremely inquisitive and hardworking.

His association with us was very fruitful and we wish him all the best in his future endeavors.

**Ar. Nalin Goel**  
Nalin Goel & Associates  
ARCHITECT  
CA/98/23260



Date: 30/05/2020

To

The Principal

B.I.T Mesra, Ranchi

Subject: Training Certificate

Dear Sir

THIS IS TO CERTIFY that Mr. Ronit Kumar Purohit, Student of Architecture from your college did his Seventh Semester training at THE FIRM. He completed his training from 4<sup>th</sup> January 2020 to 30<sup>th</sup> March 2020. I appreciate his requests to work from home during the lock-down period, and he did carry out some assignments from home. Following are the some of the projects he had diligently worked on:

- Residential Towers at Sagaon
- Integrated Bus Terminus and Commercial Development at Vashi, Navi Mumbai
- Phase 2 Shanti Luxuria, Shilphata
- Flemingo Retail Office
- Twinkle Society Redevelopment, Mumbai

He has been given some drawings to demonstrate his involvement in the drawing tasks related to above projects.

I wish him success in his future assignments.

Regards

Arch. Deepika Batra Gwash (IGBC AP, teri GRIHA Trainer & Evaluator)

Head – Sustainable Design

(C.A. No: CA/99/24868)

**THE FIRM**

The Commodity Exchange, Ground Floor, Plot No. 2, 3 & 4, Sector 19A, Vashi, Navi Mumbai 400705, INDIA

01 22 27832129/30/31 E:info@thefirmarchitecture.com W:www.thefirmarchitecture.com

## WORK EXPERIENCE CERTIFICATE

This is to certify that Shivangi Singh, a final year student of Department of Architecture, Birla Institute of Technology, Mesra, Ranchi, Roll no.: B.ARCH/10026/2015, was working as an student intern for her professional practice in our firm from 6<sup>th</sup> Jan'2020 to 6<sup>th</sup> May'2020. She is a sincere and creative designer and has the capability to convert design ideations into working drawings and visuals. She had the opportunity to work with projects of architecture, interior design, product design, exhibitions, urban art installations, landscaping and graphic design.

We wish her all the best for her future.

For Yantra Architects,

25.05.2020



25/05/2020

Sourav Ghosh Choudhury





Date: 18/05/20

To,  
Head Department of Architecture,  
Dr. Satyaki Sarkar,  
Birla Institute of Technology, MESRA<  
Ranchi- 835215

Subject: Internship completion certificate.

Dear Sir,

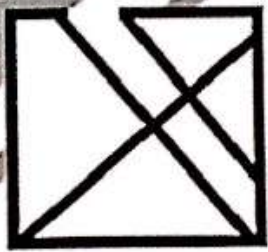
This is to certify that Mr. Siddharth Soumya Roy has successfully completed professional internship in the role of 'Architecture Trainee' at 'ashok mokha architects', Nagpur for a period of 16 weeks (2nd Jan'20 to 5<sup>nd</sup> May'20).

During this period, he worked on various architecture and working drawings and successfully met the objectives that were set at the beginning of the project. He shows a lot of promise and skill in his work and we wish him all the best in all his future endeavors.

Thanking you,



Ashok Mokha  
architect, f.i.i.a



DE: cA + pE Studio

Collaborative Architecture and Planning  
Environment

Ar. Gaurav Gupta  
Principal Architect  
B.Arch, M.Plan(S.P.A New  
Delhi)

Dated:26/05/2020

### EXPERIENCE CERTIFICATE

This is to certify that **Mr. Sunny Suman Kulla** of **Birla Institute Of Technology, Mesra, Ranchi** has successfully completed 4 out of 6 months Practical training in **De:Ca+pE Studio, Lucknow, U.P , India** from **8<sup>th</sup> JANUARY 2020 to 26<sup>th</sup> MAY 2020** as per company's record. The internship is for 6 months (8<sup>th</sup> January – 8<sup>th</sup> July). Remaining internship should be done from work from home, due to Covid-19 lockdown.

During his internship, we found **Mr. Sunny Suman Kulla** to be a hard working, sincere, knowledgeable and result oriented with theoretical and practical understanding of work requirements.

He has a friendly, outgoing personality, very good sense of humor and worked well as an individual or member of a team as required by the management.

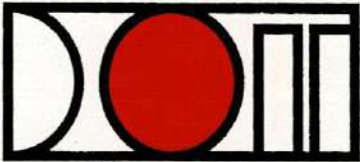
Overall, **Mr. Sunny Suman Kulla** has performed his duties and responsibilities cheerfully with attention at all times. With his enthusiasm to work, learn and progress, I am sure that he would be a good Architect in future.

I take this opportunity to wish **Mr. Sunny Suman Kulla** all the best in his future career & endeavors.

Ar. Gaurav Gupta  
Principal Architect

L- 2, 155 Sector – G, L.D.A Colony, Kanpur Road, Near Roy Hospital, Lucknow, Uttar  
Pradesh 226012

[www.decapestudio.com](http://www.decapestudio.com)  
[decapestudio@gmail.com](mailto:decapestudio@gmail.com)  
055-4308984 , 9935005439



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architects | planners | engineers | interior designers

June 5 2020

**To Whom It May Concern**

This is to certify that Pankaj Kumar S/O Mr Laxman Mahto, student of Birla Institute of Technology, Mesra, Ranchi, has completed his 16 weeks architectural training (from 4<sup>th</sup> Jan 2020 to 21st March 2020 work from office and from 22<sup>nd</sup> march 2020 to 4<sup>th</sup> May 2020 work from home) at our office. During his training period he was involved in several Architectural projects.

He is sincere and a fast learner and we are satisfied with his performance. We wish him success in all his future endeavors.



For

Design Oriented Techniques





Date: 18/05/20

To,  
Head Department of Architecture,  
Dr. Satyaki Sarkar,  
Birla Institute of Technology, MESRA<  
Ranchi- 835215

Subject: Internship completion certificate.

Dear Sir,

This is to certify that Mr. Siddharth Soumya Roy has successfully completed professional internship in the role of 'Architecture Trainee' at 'ashok mokha architects', Nagpur for a period of 16 weeks (2nd Jan'20 to 5<sup>nd</sup> May'20).

During this period, he worked on various architecture and working drawings and successfully met the objectives that were set at the beginning of the project. He shows a lot of promise and skill in his work and we wish him all the best in all his future endeavors.

Thanking you,



Ashok Mokha  
architect, f.i.i.a

architects and designers  
India UK

**STUDIO**  
**[55]**

Date: 17<sup>th</sup> May, 2020

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that Mr. Suren Mahant, a 10<sup>th</sup> semester student of B.Arch. from BIT Mesra, Ranchi, has successfully completed his Architectural Internship at Studio55 Architects, Pune from 06 January 2020 to 01 May 2020.

He has worked on numerous significant projects during the period of his internship. His contribution to the projects including conceptualising design, 3D visualisation, site visits, preparation of working drawings and presentations for clients.

During the internship he demonstrated good design skills, complemented by a self-motivated attitude to learn new things. He is a valuable team member. His performance has been very good; conduct, excellent and consistently completed all assignments well with-in schedule.

We wish him all the best for his future endeavours.



(Ar. Girish Mohile)

Principal Architect

Studio55 Architects, Pune

Architect Reg. No.





05<sup>TH</sup>, JUNE, 2020

To,  
Whom it may Concern

**Sub: Certificate of Professional Practice for Mr. Swapnil Kerketta**

Dear Sir/Madam,

This is certify that Mr.Swapnil Kerketta was employed as a trainee architect with Archinnovatio (AI) Studio from 6th January, 2020 to 26th May, 2020. During this time period he worked on the following projects.

- 1) Regularization Projects of Multiple Residences as a scheme of Government of Jhrakhand.
- 2) Residential Interiors of Mr.Narendar Jain.
- 3) Conceptual Design of Urban Dhaba for Mr.Raj Bhatia.
- 4) Office Interiors of Mr.J.P.Sharma
- 5) Measure Drawing and Planning Level Design for Showroom of Mr.Udit Tulsian
- 6) Bakery Kiosk for Mr.Sarabjeet Singh.
- 7) Primary School Design of Mr. Rishi
- 8) Primary School Design for Mr.Kamal Behl
- 9) Elevation Design for Hotel in Aurangabad,Bihar
- 10) Residence Design for Mr.Gaurav, Ranchi

As a trainee architect Mr.Swapnil Kerketta has shown remarkable skills in understanding the needs of the projects given and successfully accomplished the works assigned to him. He has a keen interest in gaining knowledge and his grasping capacity of things taught is worth appreciation. He has been very sincere and highly dedicated during the entire tenure of his training period with us.

We believe that he will well represent the high standards of education being imparted to him at Birla Institute of Technology, Mesra, Ranchi.

Wishing him All The Very Best for her career ahead.

Thanking you



**Ar. Arunava Nandy**  
Principal Architect  
AI Studio

**ARCHINNOVATIO STUDIO**

Email: [arch.arunava@gmail.com](mailto:arch.arunava@gmail.com)

Contact: +919973444940

1B, Kalinga Apartment, R.G.Street, Tharpakhna, Ranchi-834001



## NEJOOD INTERIORS & CONTRACTING

Date: 7th June 2020

### CERTIFICATE OF COMPLETION OF INTERNSHIP

To Whomsoever it may concern,

This is to certify that **Taha Rahman** (طه رحمن عبدالرحمن احمد) (College: Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India; Roll no.: BARCH/10001/15; Semester: Tenth) has successfully completed his **3 weeks** internship with us, from 27<sup>th</sup> January 2020 to 17<sup>th</sup> February 2020.

As part of his internship, he had done architectural visualization, conceptual drawings and detailings of **S2S (Residence), Jabriya**.

During the tenure with us, we found him to be sincere and result oriented.

We wish him all the best.

Naser Ibn Amir Saleh

ناصر ابن امير صالح

Principal Architect

3<sup>RD</sup> JUNE 2020

TO WHOMSOEVER IT MAY CONCERN

This is to confirm that Vedanth Dhal has worked in our firm as a trainee from 13<sup>th</sup> Jan 2020 to 06<sup>th</sup> June 2020.

Below is the list of projects he has worked on.

01. Vasant and Namratha Residence
02. Peeyush Jain Residence
03. Abhimanyu Errabelli Residence
04. Geetha Murthy Residence, Karur
05. Karunya Residece
06. Allu Arjun Residence

I found Vedanth to be sincere, hardworking and disciplined. It was a pleasure having him as a part of our team at Khosla associates.

I wish him the very best.

Best Regards,



Anamika Kalathingal

Team Lead



## INTERNSHIP CERTIFICATE

Date: 01<sup>st</sup> June 2020

Sub: **Completion of Internship with Builten**

Dear **Mr. Nishant Kautilya**,

We are pleased to note that you have successfully completed your internship with Builten in the area of architectural Intern from 06<sup>th</sup> Jan 2020 – 31<sup>st</sup> May 2020.

Your specific inputs in assistance of design development through preparation of concept designs, presentation and working drawings have been an effective contribution to the firm's works.

We have found you to be hard working, keen to learn, ready to accept responsibilities and completely used this internship period for understanding the workings of a professional design firm. You have been punctual and efficient in terms of the responsibilities and tasks given to you at any given point of time. Your interaction with colleagues and communication skills were very much appreciated.

We hope that you found your internship with Builten satisfying and that it contributed to your professional growth. We wish you all the very best for your future endeavours.

Regards

  
  
**Akash Garg**  
Partner/ Architect  
**Builten**

Date: 02/06/2020

**TO WHOSOEVER IT MAY CONCERN**

This is to certify that **Mr. Aman Kumar** has worked with us as an Architectural Trainee from 1<sup>st</sup> January 2020 to 1<sup>st</sup> May 2020. He is skilled with Conceptualizing, Designing and Execution of Projects with the use of Computer aided software. We hereby verify his Job duties and responsibilities. Below is the summary of his Job profiles.

1. Conceptualizing and Developing plans according to Client's satisfaction (Design Concepts for Residential, Commercial, Offices, Institutional & Interior Projects)
2. Presentation drawings for approval from Clients.
3. Preparation set of drawings for Concerned Town & Urban Planning Department.
4. Preparing Working Drawings and Corporation drawings for Residential, Commercial/Office projects.
5. Correcting and giving suggestions on drawings of different type of Projects for Site execution.

We also confirm his Working skills at Computer aided drawings with the use of Softwares such as mainly AutoCAD (R2015), Sketch up, Photoshop & Power point which have been added to the quality of work. He is sincere and hardworking and his work performance has been satisfactory.

We wish him all the best in his future endeavors.

For BASE Architects,

Ar. Aniruddha J. Shinde  
BASE Architects & Interior Designers  
Apte road, Shivajinagar,  
Pune 411004, Maharashtra, India  
Email: [basearchitects@gmail.com](mailto:basearchitects@gmail.com)  
Contact: 0091 9960831003



**DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY, MESRA**

**PROFORMA FOR MARKS**

NAME OF THE CANDIDATE: AMAN KUMAR  
ROLL NO: BARCH/10027/15  
DATE OF JOINING OF TRAINING: 1<sup>st</sup> January 2020  
DATE OF COMPLETION OF TRAINING: 1<sup>st</sup> May 2020

SL. NO.	ASPECTS	TOTAL MARKS	MARKS ALLOTTED
1	Task completion in time	20	15
2	Design capabilities	20	16
3	Communication skill	20	15
4	Understanding Bylaws for Design	20	17
5	Intellectual potential	20	16
6	Ability to work with others	20	19
7	Creativity and imagination	20	16
8	Maturity & Self confidence	20	17
9	Ability to analyze a problem	20	17
10	Motivation	20	19
	<b>TOTAL</b>	<b>200</b>	<b>167</b>

Name of the office supervisor: Aniruddha J. Shinde

Designation:

Proprieter

Signature:



Name of the Office:

BASE Architects & Interior Designers

Address of the office:

Next to Hotel Coronet, Apte road,  
Shivajinagar, Pune 411004,  
Maharashtra, India  
Contact: 0091 9960831003  
Email: [basearchitects@gmail.com](mailto:basearchitects@gmail.com)



3<sup>RD</sup> JUNE 2020

TO WHOMSOEVER IT MAY CONCERN

This is to confirm that Anamika has worked in our firm as a trainee from 13<sup>th</sup> Jan 2020 to 06<sup>th</sup> June 2020.

Below is the list of projects she has worked on.

01. Vasant and Namratha Residence
02. Peeyush Jain Residence
03. Abhimanyu Errabelli Residence
04. Karunya Residence
05. Green Park Hotel
06. Bilaspur Residence

I found Anamika to be sincere, hardworking and disciplined. It was a pleasure having her as a part of our team at Khosla associates.

I wish her the very best.

Best Regards,



Anamika Kalathingal

Team Lead



June 02<sup>nd</sup>, 2020

**INTERNSHIP - EXPERIENCE CERTIFICATE**

This is to certify that Mr Ankit Kumar , student of Vth Year Bachelor Programme in Architecture Birla Institute of Technology , Mesra , Ranchi worked with our organization as trainee architect for 20 Weeks (5) months from 02 01 2020 to 02 06 2020 .

During this tenure with us , he was involved in various prestigious projects in Architecture, Interior Design and landscaping, work ranging from presentation to working drawings. We found him to be a dedicated, sincere and hardworking individual.

Some of the projects on which she worked are as under:

1. Interior Design of Residence for Mr. Rajeev Ranjan @ Ranchi
2. Working Drawings for Lady K C Roy Memorial School @Ranchi
3. Working drawings of Holiday Home Hotel @ Ranchi
4. Celebrations Kanke @ Ranchi
5. Mr. Rajkumar's Residence @ Ranchi
6. Commercial Space for a workshop for Mahindra auto @ Ranchi
7. Residence for Mr. Sayed Asif @ Ranchi
8. Interiors for Mr. Sachit Garodia @ Ranchi
9. Interiors for Blue Tree Aroma @ Ranchi
10. Interior Details for Hotel Gujrat @ Ranchi
11. Landscape design for banquet complex at Argora @ Ranchi
12. Façade design for Hotel Sunny @ Ranchi
13. Interior for Belair apartment for Mr. Santosh Kumar @ Ranchi
14. Residence for Mr. Tanzeem Alam @ Ranchi

We wish him all the success for the future.

For Metarch Studios

Anupam Deb  
Principal Architect.  
B.Arch , BIT Mesra



M.S. Architecture and Urbanism, Politecnico Di Milano , Italy



**ARCHITECTS & URBAN PLANNERS**

---

101 & 103, PRABHA KIRAN  
CHUNA BHATTA, KOKAR, RANCHI-834001  
0651-2544645, +91-94311 01157  
[axis610@yahoo.com](mailto:axis610@yahoo.com)

June 4, 2020

**TO WHO SO EVER IT MAY CONCERN**

This is to certify that Ankit Prasad (Student of B.I.T. Mesra, Ranchi, Jharkhand, Roll no. B.ARCH/10009/2015) has undertook his practical training from 7<sup>th</sup> Jan 2020 to 30<sup>th</sup> May 2020 in my office.

He has worked on development drawing, presentation drawings, working drawings, colour schemes and development of rendered plans. He has a good aptitude, presentation and drawings skills and has the will to learn. Apart from this he has good communication skills.

Sincerely,

A handwritten signature in blue ink that reads 'Sandeep'.



Ar. Sandeep K. Jha  
Principal Architect

**SANDEEP K. JHA**  
**B.ARCH CA/95/18403**



**ECAS Global**  
ECO Habitat, Cinema Theatre Street,  
Sanjeevi Nagar, Auroville bioregion  
Puducherry - 605111  
*date: June 06, 2020*

---

## INTERNSHIP CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that **Annu Anjali** has worked for **17 weeks** dated from **3/1/2020** to **25/5/2020** as a Architectural Intern at ECAS Global.

Her assignment in the design team involved making posters, packaging labels, new product development, compost toilet and measure drawing works. We found her to be a good learner with cordial communication skills. She was punctual, enthusiastic and connected well with the other team members. Her goodwill towards the team members was appreciated.

We wish her success for her future endeavor.

---

**Ar Gopal Khatri**

Chief Architect  
COA # CA/2015/72549  
For ECAS Global



**Gensler**

30<sup>th</sup> May 2020

**To Whomsoever It May Concern**

Sub: Letter of Completion of Internship

Dear Sir / Madam,

This is to certify that **Ms. Divya Singh**, student of Birla Institute Of Technology Mesra, Ranchi, has done her internship at Gensler Bangalore from 2nd Jan 2020 to 30<sup>th</sup> May 2020.

Details of her internship with the company:

- Date of Joining: 2nd Jan 2020
- Designation: Professional Intern

We wish her success for her future endeavors.

For Gensler Design India Pvt. Ltd.

Sincerely,



**Sanjay Gulati**  
Managing Director

**AR. C. T. MANTHANWAR**

B. Arch; M.Tech. (Urban Planning)

M.I.C.A., A.I.I.A., A.I.T.P.

F.I.V.; I.I.I.D.

Regd. No.

M.I.C.A CA/92/15375 F.I.V F16892

CAT No.1/29/2003-04 I.I.I.D. ALM2501

A.I.I.A.11320

A.I.T.P.2005-037

N.I.T. 617

N.M.C.R-00317

- CHARTERED ARCHITECT
- GOVT. APPRO. VALUER
- URBAN PLANNER

☎ Office : 9423120452

7756984883, 9156022471

manthanwarassociates@yahoo.co.in



**ASSOCIATES**

**"HONESTY AND HARDWORK"**

(Estd.-1992)

**"AMRUT PALACE"**

1384, New Nandanwan

Nagpur- 440 024. (M.S.)

- ARCHITECTS
- ADVOCATES
- ENGINEERS
- FINANCIAL CONSULTANTS
- GOVT. APPROVED VALUER
- INTERIOR DECORATORS
- LANDSCAPE DESIGNERS
- STRUCTURAL DESIGNERS
- URBAN PLANNERS
- VASTU CONSULTANTS

Off. Time : 10 A.M. to 7 P.M.

chandrakant1992manthanwar@gmail.com

Ref.No. :-

Date :- - 3 JUN 2020

**TO WHOM IT MAY CONCERN**

This is to certify that **Mr. G Rohith Sai Reddy**, a student of B.Arch. (Bachelor of Architecture – 10th SEM), from **BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI**, has successfully completed 04 (Four) months (Worked in office, From 9th January, 2020 to 19th March, 2020 and Work from Home, From 21st March, 2020 to 29th April, 2020) long internship programme at **Manthanwar Associates, Nagpur**. He has worked on numerous significant projects during the period of his Internship. His contribution to the projects including conceptualising design, 3D visualisation, site visits, preparation of working drawings and presentations for client. During the period of the internship programme with us he was found punctual, hardworking and inquisitive.

He demonstrated good design skills with a self-motivated attitude to learn new things. His performance exceeded expectations and was able to complete the project successfully on time.

We wish him all the best for his future endeavours.

**SIGNATURE OF PRINCIPAL ARCHITECT**

**(CHANDRAKANT TEJBAHADUR MANTHANWAR)**

B.Arch., M.Tech (Urban Planning),

M.I.C.A., A.I.I.A., A.I.T.P., F.I.V., I.I.I.D.

Regd. No.:-

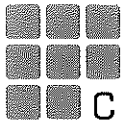
M.I.C.A. :- CA/92/15375 CAT. No. :- 1/29/2003-04

A.I.I.A. :- 11320 A.I.T.P. :- 2005-037

F.I.V. :- F16892 I.I.I.D. :- A.L.M. 2501

N.I.T. :- 617 N.M.C. :- R-34





Date: - 04<sup>th</sup> June 2020

## PROFESSIONAL INTERNSHIP CERTIFICATE

This is to certify that **Ms. Hania Rizwan**, student of 5<sup>th</sup> year (10<sup>th</sup> Semester), Bachelor of Architecture, **Birla Institute of Technology, Mesra, Ranchi, Jharkhand**, has completed her Professional Internship in our office from 6<sup>th</sup> Jan'2020 to 25<sup>th</sup> May'2020, i.e., for a period of 14 weeks.

During this period, she has worked as a part of the team, majorly on presentation and part of schematic drawings of following projects:

1. Delhi Cantonment Housing
2. Vishakhapatnam Port Terminal

She completed all the assignments given to her within the stipulated time. We found her to be hard working & keen to learn. Her character and conduct is found to be good.

We wish her success for all her future endeavours.

**Ar. Gurpreet Singh Shah**

**Principal Architect**



5<sup>th</sup> June 2020

**Letter of Internship**

This is to certify that **Mr. Harsh Kashayap** has worked as an intern in our firm **Abha Narain Lambah Associates** from 2<sup>nd</sup> Jan 2020 to 8<sup>th</sup> May 2020 and has completed 17 weeks. He has worked on the following projects:

- 1. Office of Director General of Police, Mumbai** - Martyr's gallery Art work for the Museum; Flooring and Partition layout
- 2. Reliance Swadeshi** - preparation of the look and feel of the proposed store (Proposal)
- 3. BMC Gymkhana, Mumbai** – 3D modelling for the structure.
- 4. Balasaheb Thackeray National Memorial (BTNM), Mumbai** - Presentation Drawings.
- 5. Collector's Building, Bandra East, Mumbai** - Design Proposal.
- 6. SPS Museum, Kashmir** - Photoshop proposal
- 7. Raj Bhawan, Mumbai** - Durbar Hall 3D model.
- 8. JB Petit High School for Girls, Mumbai** - Tender Drawings.
- 9. Mahalaxmi Temple, Mumbai** - Working Drawings (Toilet Details).
- 10. Signature Lighting Fixture design** - lighting fixture design proposal

**Harsh** is very hardworking and well - disciplined in his work. I wish him good luck for his future endeavors.

Thanking You

Best Regards,



**Thisbe Sanches**  
**(Office Manager)**  
**For Abha Narain Lambah Associate**



Date: 03/06/2020

**To whomsoever it may concern**

This is to certify that **Mr. Kevin Shaji Thomas** studying Architecture at **Birla Institute of Technology, Ranchi, Jharkhand** worked in our organization as "Trainee Architect" for a period of 5 months from the 13<sup>th</sup> January 2020 to 30<sup>th</sup> May 2020.

During this period, he has had the experience of working on working drawings, 3D visualizations, utility plans, BOQs, presentation drawings and details of residential, aviation and institutional projects.

We found him to be sincere, hardworking and perseverant and wish him all the success in her future endeavors.

Thanks and Regards



Kapil Handa  
CA/2002/28948  
Managing Director & Principal  
Studio DRA International Designers Pvt. Ltd.



STUDIODRA.COM

NEW DELHI D-149, SECTOR-10, NOIDA, U.P. - 201301, INDIA

+91 981 8883 626

STUDIO DRA INTERNATIONAL DESIGNERS PVT. LTD. COMPANY REG. NO. U74999DL2005PTC22754 REGISTERED OFFICE: 301 CA CHAMBERS, 1B/12, WEA KAROL BAGH, NEW DELHI, 110005

**DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY, MESRA**

**PROFORMA FOR MARKS**

NAME OF THE CANDIDATE: KEVIN SHAJI THOMAS

ROLL NO: B. ARCH/10002/2015

DATE OF JOINING OF TRAINING: 13 January 2020

DATE OF COMPLETION OF TRAINING: 30 May 2020

SL. NO.	ASPECTS	TOTAL MARKS	MARKS ALLOTTED
1	Task completion in time	20	15
2	Design capabilities	20	15
3	Communication skill	20	16
4	Site supervision abilities	20	16
5	Intellectual potential	20	15
6	Ability to work with others	20	16
7	Creativity and imagination	20	15
8	Maturity & Self confidence	20	15
9	Ability to analyze a problem	20	15
10	Motivation	20	15
	<b>TOTAL</b>	<b>200</b>	

Name of the office supervisor: PARUL HANDA

Designation: DIRECTOR

Signature:  
[with office seal]



Name of the Office: Studio DRA International Designers Pvt. Ltd.

Address of the office: D-149, sector-10, Noida - 201301



## KAPOOR & ASSOCIATES

ARCHITECTS | ENGINEERS | DESIGNERS | PLANNERS | VALUERS

---

5<sup>th</sup> June 2020

### TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Lalhriatpuii, a Student of BIT, Mesra is completing her 6 months internship from 6<sup>th</sup> January 2020 to 6<sup>th</sup> July 2020 at our studio KAPOOR & ASSOCIATES at New Delhi.

She is involved in many projects through her training period and showed excellent skills of conceptualizing spaces. She is working on different projects such as Stadiums, Residential and Commercial. We found her to be sincere and hardworking and very soft spoken. She always engaged herself with passion for any assignment she is entrusted with and continuously tried to improve her skills. We wish her the very best for her future. Her training will continue till 6<sup>th</sup> July 2020 and marks allotted to her are as on today.



For Kapoor & Associates

**SUBJECT: LETTER OF COMPLETION**  
**FROM: SUJAYANTI DASGUPTA**  
**FIRM: W-ARD FOUR CONSULTING PVT LTD, Bangalore**  
**DESIGNATION: DIRECTOR OF HEALTHCARE, CO-FOUNDER**  
**DATED: 21.05.2020**

**TO WHOMSOEVER IT MAY CONCERN**

I am writing to confirm that Ms. Monal Ambastha, final year student at DEPARTMENT OF ARCHITECTURE, BIRLA INSTITUTE OF TECHNOLOGY, MESRA has successfully completed her internship for the duration starting on the 6<sup>th</sup> of January 2020 to the 6<sup>th</sup> of May 2020. She was hardworking, sincere, and very diligent. We enjoyed working with Monal due to her willingness to take on tasks and completing them to a high degree of satisfaction of her supervisors. She was also a well-rounded individual with the ability to communicate clearly and effectively with respect to her thought process. We believe that she will be an asset to any firm that she chooses to join the near future.

As Monal embarks upon her journey as a professional and a registered architect, we wish her the very best of luck for her future.

Best regards,

For WARD FOUR CONSULTING PVT.LTD.  
  
Director

**Sujayanti Dasgupta**

Director of Healthcare, Co-founder  
W-ARD FOUR Consulting Pvt Ltd.

June 28<sup>th</sup>, 2020

## EXPERIENCE CERTIFICATE

This is to certify that Miss Nandini Biswas, student of Vth Year Bachelor Programme in Architecture Birla Institute of Technology, Mesra, Ranchi worked with our organization as trainee architect for 25 Weeks (6) months from 20 12 2019 to 27 06 2020.

During this tenure with us, she was involved in various prestigious projects in Architecture, Interior Design and landscaping, work ranging from presentation to working drawings. We found her to be a dedicated, sincere and hardworking individual.

Some of the projects on which she worked are as under:

1. Landscape design of terrace for Mr. Rajeev Ranjan @ Ranchi
2. Landscape design of terrace for Mr. Nishant Gupta @ Ranchi
3. Working drawings of Residence for Mr. Sandeep Khanna @ Ranchi
4. Celebrations Kanke @ Ranchi
5. Mr. Rajkumar's Residence @ Ranchi
6. Commercial Space for a workshop for Mahindra auto @ Ranchi
7. Interiors for Mr. Kunal Gupta's Residence @ Ranchi
8. Interiors for Mr. Kushal Gupta's Residence @ Ranchi
9. Interiors for Mr. Alok Kataruka's Residence @ Ranchi
10. Interior Details for Kaveri's Kanke @ Ranchi
11. Interiors for Mr. Ayush Jain's Residence @ Ranchi
12. Interiors for Mr. Santosh Agarwal's Residence @ Ranchi
13. Interior for Belair apartment for Mr. Santosh Kumar @ Ranchi
14. Residence for Mr. Sayed Asif @ Ranchi

We wish her all the success for the future.

For Metarch Studios

Anupam Deb  
Principal Architect.  
B.Arch, BIT Mesra  
M.S. Architecture and Urbanism, Politecnico Di Milano, Italy



#4, RATANLAAL SURAJMULL  
COMPOUND, BESIDE CHAIBUBBLE,  
M.G. ROAD, OPP. ROSHPA  
TOWER, RANCHI - 1

Dated 5<sup>th</sup> June, 2020

To: Whosoever it may concern

This is to certify that **Niraj Kumar Tudu** (B.Arch/10018/2015) B.Arch from Dept. of Architecture.

**Birla Institute of Technology, Mesra** has undergone his 5<sup>th</sup> year training semester at **Apurb and Associates, Ranchi** office from the 4<sup>th</sup> January 2020 through the 4<sup>th</sup> may 2020.

**Niraj Kumar Tudu** worked on the following projects during the courses of his internship:

1. SABAN PURTI RESIDENCE
2. AIJ TIRU RESIDENCE
3. CHINTU DORAI BUNGLOW
4. SANJAY KUMAR BHAGAT BUNGLOW (SITE VISIT)
5. CPS TOPNO BUNGLOW( SITE VISIT)
6. JOYTISH EKKA (SITE VISIT)
7. DINESH MISHRA RESIDENCE
8. VIEWT SCHOOL, GARWHA
9. BISHOP SCHOOL,DORANDA
10. FARHAN SCHOOL
11. ALOK TOPPO APARTMENT
12. N.HEMBRAM RESIDENCE
13. LUSSA TIGGA RESIDENCE
14. JAYSHREE APARTMENT
15. SHAMIM JI APARTMENT ( SITE VISIT)
16. ARVIND AGRAWAL APARTMENT
17. NEELAM KHANDIR MIXED HOUSING
18. ANIL JI APARTMENT
19. BASANT MUNDA RESIDENCE
20. BAIJNATH ORAON (SITE VISIT)
21. SAIN OVERSEAS APARTMENT
22. JIREN TUTI RESIDENCE

Sincerely,



APURB MINZ (B. Architecture)  
Reg. No.-CA/2002/30039

Apurb Minz  
Principal Architect

Sourav Toppo  
Project Architect



**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
(A Deemed University u/s 3 of UGC Act , 1956)  
**MESRA – 835215 (RANCHI) INDIA**

Metric 3.4.5

Department/Section: Architecture

Number of research papers per teacher in the Journals notified on UGC website during the last five years

Title of paper+A3:G7	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number
Urban population and identification of indicators for affordable housing in India	Mishra U.C, Sarkar Satyaki	Architecture	International Journal of Recent Technology and Engineering,	2019	2277-3878	UGC SCOPUS list 2020 DOI: 10.35940/ijrte.B1001. 98251119
Comparative assessment between statistical and soft computing methods for accident severity classification	Sarkar Amrita, Sarkar Satyaki	Architecture	Journal of The Institution of Engineers (India): Series A,	2020	2250-2149	UGC SCOPUS list 2020; doi.org/10.1007/s40030-019-00422-7
Quantitative analysis of sound absorption properties of plants in indoor environment for enabling sustainable practice	Baruah Namrata, Sarkar Satyaki, Roy Bimal Chandra, Sinha Rajan Chandra		International Journal of Environmental Technology and Management,	2019	1741-511X, 1466-2132	UGC SCOPUS list 2020; DOI: 10.1504/IJETM.2019.104750
Identification of a new industrial area based on a macro level analysis - a Case of Bokaro District, Jharkhand, India	Roy Bimal C., Sarkar Satyaki, Sinha Rajan C., Srivastava I.		International Journal of Engineering and Advanced Technology	2019	2249 - 8958	SCOPUS; doi:10.35940/ijeat.A1168.129219

*Sankat*  
5/1/21.  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA - 835215



**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
(A Deemed University u/s 3 of UGC Act , 1956)  
**MESRA – 835215 (RANCHI) INDIA**

Metric 3.4.6

Department/Section: Architecture

Number of books and chapters in edited volumes published per teacher during the last five year

Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
1	Dr. Manjari Chakraborty	Advances in Sociology Research	Chapter 2. Using a Composite Index to Create a Social Sustainability Scorecard for Urban India in Advances in Sociology Research. Volume 27; Editor: Jared A. Jaworski;	International	2019	ISBN: 978-1-53615-801-4	Birla Institute of Technology, Mesra, Ranchi	NOVA Science Publishers , New York
2	Dr. Manjari Chakraborty	Sustainable Fuel Technologies Handbook	Chapter 15 : Energy Efficiency in Buildings	International	2020	ISBN: 978-0-12-822989-7	Birla Institute of Technology, Mesra, Ranchi	Elsvier; Academic Press

*Manjari*  
5/1/21  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215



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2	Dr. Manjari Chakraborty, Energy Efficiency in Buildings, Sustainable Technologies Handbook	5-7

*Manjari*  
u/l.

HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215

Volume 27

Technology

# Advances in Sociology Research

Jared A. Jaworski  
Editor

Culture

Complimentary Contributor Copy

**ADVANCES IN SOCIOLOGY RESEARCH**

**ADVANCES IN  
SOCIOLOGY RESEARCH**

**VOLUME 27**

**JARED A. JAWORSKI**  
**EDITOR**



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Complimentary Contributor Copy

**USING A COMPOSITE INDEX TO CREATE  
A SOCIAL SUSTAINABILITY SCORECARD  
FOR URBAN INDIA**

*Sudha Panda<sup>1</sup>, PhD, Soumyendu Shankar Ray<sup>1</sup>  
and Manjari Chakraborty<sup>2</sup>, PhD*

<sup>1</sup>School of Architecture and Planning,  
KIIT University, Bhubaneswar, India

<sup>2</sup>Department of Architecture, Birla Institute of Technology,  
Mesra, India

**ABSTRACT**

India, like most developing nations is experiencing unprecedented growth in its urbanization which is a double edged sword in reality. Together with the economic potential comes a huge demand for infrastructure and services. Allocation of scarce Government revenue on Urban Infrastructure should not only be in proportion to the projected demand but also the cities' sustainability, so that cities are suitably rewarded for protecting the country's social, economic and environmental resources. The primary objective of this research is to create an output based measure of urban India's social sustainability, which would

# Sustainable Fuel Technologies Handbook

Edited by  
Suman Dutta  
Chaudhery Mustansar Hussain



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Janmejoy Gupta<sup>1</sup> and Manjani Chakraborty<sup>2</sup>

<sup>1</sup>Department of Architecture, School of Planning and Architecture (SPA), Vijayawada, India, <sup>2</sup>Birla Institute of Technology, Mesra, Ranchi, India

## 15.1 Background: building in the wake of an energy crisis

An energy efficient building offers an appropriate environment for habitation with minimal energy consumption and wastage of energy, thereby maximizing energy conservation. It focuses on increasing the efficiency of resources like energy, water, and materials—while reducing its negative impact on human health and the environment during the building's lifecycle, through environment-friendly placement of the building on site, its design, construction, operation, and maintenance. The goal of energy-efficient buildings is to accomplish the same, or more, tasks and functions in the buildings as before while using less energy. The energy-efficient building acts as a smooth-functioning machine in which the equipment produces as much, or more, energy capacity than needed to operate an ideal human environment, including air quality, moisture conditions, air temperature, and lighting. The ideal energy-efficient building retains the best environment for human habitation while minimizing the need and cost of energy.

With the cost of energy rising and availability decreasing, the need to provide energy-efficient building designs becomes more important. Escalating energy costs are changing our design practices. It is no longer possible to design structures without specific reference to the projected energy consumption. An energy-efficient building balances all aspects of energy use in a building—lighting, space conditioning, and ventilation—by providing an optimized mix of passive solar design strategies, energy-efficient equipment, and renewable sources of energy. Use of materials with low-embodied energy also forms a major component in energy-efficient building design. In the field of architecture, the task is to link the built environment with nature. Buildings should be so designed as to consume high technology but low energy. Architectural design must be global enough in spirit to ensure global longevity and also local enough in expression to remain sustainable.

In the wake of regional vernacular wisdom of architecture being lost to uniform glass facades and aluminium composite paneled elevations due to so-called "globalization of architecture," awareness in the field of energy-efficiency has become a necessity.





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**MESRA – 835215 (RANCHI) INDIA**

Metric 5.2.3

Department/Section: Architecture

Percentage of recently graduated students who have progressed to higher education  
(previous graduating batch)

Name of student enrolling into higher education	Program graduated from	Name of institution joined	Name of programme admitted to
Aditi	Bachelor of Architecture	Birla Institute of Technology, mesra	MUP
Prabhangshu Sharma	Bachelor of Architecture	SPA , Vijayawada	MURP

*Handwritten signature*  
u/i

HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215

## Table of Contents

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1	Aditi ,College ID card	1
2	Prabhangshu Sharma ,Institute Slip and College ID	2-3

*Aditi*  
u/r

HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
ESPA, RAIPUR - 835 215

**BIRLA INSTITUTE OF TECHNOLOGY**

(A Deemed University)

MESRA, RANCHI - 835 215

Phone : 0651-2275444/ 2275869, Fax : 2275401

website : www.birmesra.ac.in



**Name : ADITI**

ID No. : MUP/84/19

Roll No. : MUP/10004/19

Date of Birth : 02/08/1996

Blood Group : O+

Father/ Guardian : AMIT KUMAR NAG

Address : H/O NILIMA NAG, PLOT NO - 729, CHIRA

CHAS, BOKARO

Phone : 7903898590



Valid Upto :

JUNE 2021

*(Signature)*

Signature of Student

*(Signature)*

Dean (Students' Welfare)  
Issuing Authority



REDMI NOTE 7 PRO  
AI DUAL CAMERA

CCMT 2019  
Centralized Counselling for M.Tech./M.Arch./M.Planning Admissions  
CCMT - 2019 (Coordinated by NIT, Rourkela)  
**Physical Reporting at Participating Institute Slip**  
Participating Institute : School of Planning & Architecture: Vijayawada

Print

Reporting Date : 26/06/2019 12:10:04 PM

Next

## Candidate's Details

GATE Registration ID : AR19S46056689	GATE Score : 678
GATE Examination Year : 2019	GATE Examination Paper Name : Architecture and Planning (AR)
Candidate Name : PRABHANGSHU SHARMA	GATE Marks out of 100 : 58.67
Father's Name : JOGENDRA NATH SARMA	Mother's Name : RANU SHARMA
Date of Birth : 07/09/1995	Gender : Male
Category : General	Person with Disability (PwD) : NO
Nationality : INDIAN	

## Qualifying Degree Details

Qualifying Degree Passing Status : Appearing in final	Year of Passing or Appearing : 2019
Qualifying Degree : B.Arch./B.Planning	Qualifying discipline Name : Bachelor of Architecture
Qualifying Result Preparation Mode : N/A	CGPA out of 10/Percentage of Marks : N/A

## Allotment Details

Choice No. : 1	Round No. : 4
Institute : School of Planning & Architecture: Vijayawada	PG Programme : Urban & Regional Planning
Allotted Seat Type : OPEN	Group Id : G1

## Seat Allotment Details

Institute	PG Programme	Group ID	Allotted Seat Type	Choice No.	Round No.
School of Planning & Architecture: Vijayawada	Urban & Regional Planning	G1	Open	1	4

## Fee Payment Details

Sr No.	Transaction Amount	Merchant Reference Number	Transaction Number	Transaction Date	Fee Type
1	2500	AR19S460566891901	IGAFYUHM08	20/04/2019	Registration Fee
2	30000	AR19S460566891902	IGAGBKMRQ9	04/05/2019	Seat Acceptance Fee

## Balance Institute Fee

Sr No.	Amount	Reference No	Mode of Payment	Date of Payment
1	26000	DUB5248821	SBI I-COLLECT	24/06/2019

Willingness for Participation in further rounds of Seat Allocation

Willingness for Participation in further rounds of Seat Allocation : FREEZING

*Prabhangshu Sharma*  
(Signature of Candidate)  
Date : 26/6/2019

*Dr Nataraj Kranthi*  
Dr Nataraj Kranthi

(Signature of Official)

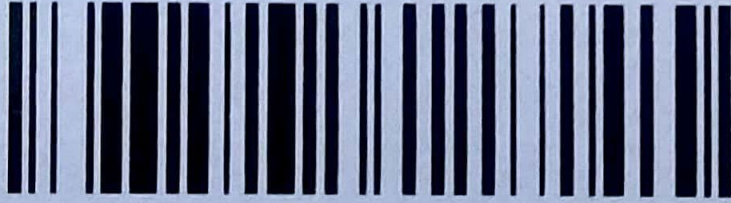
Date : 26/6/2019

VERIFICATION OFFICER  
SPA, VIJAYAWADA  
CCMT



**योजना तथा वास्तुकला विद्यालय , विजयवाड़ा**  
School of Planning and Architecture, Vijayawada  
An Institute of National Importance, MHRD, Govt. of INDIA.

**PRABHANGSHU SHARMA**



SPAV ID

Course

2190400110

MURP

31st July, 2021

### Permanent Address:

h/no:- 14, Sriban path,  
Hatigaon Road, Guwahati-  
781038, ASSAM

*If found please return to:*

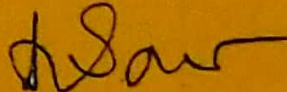
The Registrar,  
School of Planning and Architecture,  
Survey No. 4/4, ITI Road, Vijayawada  
520 008, Andhra Pradesh, India.

### Personal Details:

Blood Group: O+ve  
Date of Birth: 09/07/1995  
Father's Name: Jogendra Nath Sarma  
Mobile Number: 8809475652  
Any Medical Advisory:  
Emergency No.: 7637816611

Phone: +91 866 246 9446  
Phone: +91 866 246 9448  
E-mail: academics@spav.ac.in  
Web: www.spav.ac.in

This is to certify that card holder is a bonafied faculty/staff of the  
School of Planning and Architecture, Vijayawada

  
Authorised signatory



# DEPARTMENT OF ARCHITECTURE BIRLA INSTITUTE OF TECHNOLOGY

(A Deemed University u/s 3 of UGC Act, 1956)

MESRA – 835215 (RANCHI) INDIA

## Metric 2.3.2

Department/Section: Architecture Department

Percentage of teachers using ICT for effective teaching with Learning Management System (LMS), e-learning resources etc. (current year data)

Number of teachers using ICT (LMS,e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms with classroom number	Number of smart classrooms with classroom number	E-resources and techniques used
11	Internet, Intranet, Desktop, Computer/ Laptop based presentations, ERP Projector, Printer, Photocopier, Pen Drive, Scanners, DVDs and CDs	No: 08 Rooms  [Room Nos: 201, 262 A, 262 C, 263-MUP STUDIO I, 264, 264 A, 265, MUP STUDIO II]		SWAYAM/ ARPIT/ E-Journals/ E-Books/ E-Library/ Digital Library/

*M. Mondal*  
6/12/19

Head of Department

HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215

**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI**  
**MENTOR LIST (SP-2019)**

SI No	Branch	Student Roll No	Student Name	Employee Code of Mentor	Employee Name of Mentor
1	Architecture	BARC/10001/14	KOUSHALI BANERJEE	2949	Dr. Satyaki Sarkar
2	Architecture	BARC/10002/14	ARCHITA SINGH		
3	Architecture	BARC/10003/14	TANISHA AGARWAL		
4	Architecture	BARC/10004/14	DIVYA		
5	Architecture	BARC /10005/14	ABHISHEK SAGAR		
6	Architecture	BARC /10006/14	TUNISHA		
7	Architecture	BARC/10007/14	AKSHAY KUMAR JHA		
8	Architecture	BARC/10009/14	SUSHILA MURMU		
9	Architecture	BARC/10010/14	PORAS PARASHAR		
10	Architecture	BARC/10011/14	RIMJHIM FUHAR SINGH		
11	Architecture	BARC/10012/14	APARNA BAGARIA		
12	Architecture	BARC/10013/14	MOHIT KUMAR RAJ		
13	Architecture	BARC/10014/14	NIKHILA LIZ WILSON		
14	Architecture	BARC/10015/14	ANNA JOHN		
15	Architecture	BARC/10016/14	PRABHANGSHU SHARMA		
16	Architecture	BARC/10017/14	ANKITA SHARMA		
17	Architecture	BARC/10018/14	SIDDHANT JENA		
18	Architecture	BARC/10019/14	SHREYANSH BARUA	1701	Dr. Manjari Chakraborty
19	Architecture	BARC/10020/14	ADITI		
20	Architecture	BARC/10021/14	SACHIN KUMAR		
21	Architecture	BARC/10022/14	AZAD KUMAR MAHATO		
22	Architecture	BARC/10024/14	YASHOVARDHAN SHARMA		
23	Architecture	BARC/10025/14	SUBHAM LAKRA		
24	Architecture	BARC/10027/14	VAISHALI KUMARI		
25	Architecture	BARC/10029/14	MEENAL BANKOTI		
26	Architecture	BARC/10030/14	ANTARA SINHA		
27	Architecture	BARC/10031/14	AMAN RAJ		
28	Architecture	BARC/10032/14	SUDHANSHU MARANDI		
29	Architecture	BARC/10033/14	RASHMI BAUR		
30	Architecture	BARC/10034/14	PRANEET MATHUR		
31	Architecture	BARC/10035/14	SANJANA SAHA		
32	Architecture	BARC/10036/14	ARCHIT MILIND KATHALE		
33	Architecture	BARC/10037/14	ABHISHEK SHUKLA		



34	Architecture	BARC/10038/14	PRAKALP TANDON				
35	Architecture	BARC/10039/14	AKASHJIT SINGH BHAU	2401	Dr. D. J. Biswas		
36	Architecture	BARC/10040/14	SOMANSHU BARKHODIA				
37	Architecture	BARC/10041/14	RISHAV JHA				
38	Architecture	BARC/10042/14	NAINA PANDEY				
39	Architecture	BARC /10043/14	RAVI MAHATO				
40	Architecture	BARC /10022/12	DEEPTANSHU SHEKHAR				
41	Architecture	BARC/10001/15	TAHA RAHMAN				
42	Architecture	BARC/10002/15	KEVIN SHAJI THOMAS				
43	Architecture	BARC/10003/15	MONAL AMBASTHA				
44	Architecture	BARC/10004/15	SIDDHARTH SOUMYA ROY				
45	Architecture	BARC/10007/15	NANDINI BISWAS				
46	Architecture	BARC/10008/15	SUREN MAHANT				
47	Architecture	BARC/10009/15	ANKIT PRASAD				
48	Architecture	BARC/10011/15	LALHRIATPUII -				
49	Architecture	BARC/10012/15	RAMAN RAVI BESRA				
50	Architecture	BARC/10013/15	VISHWANATH HEMBRAM				
51	Architecture	BARC/10014/15	ANNU ANJALI				
52	Architecture	BARC/10016/15	VEDANTH DHAL			2130	Mrs. Ritu Agrawal
53	Architecture	BARC/10017/15	SUNNY SUMAN KULLA				
54	Architecture	BARC/10018/15	NIRAJ KUMAR TUDU				
55	Architecture	BARC/10021/15	DIVYA SINGH				
56	Architecture	BARC/10022/15	SWAPNIL SAURABH KERKETTA				
57	Architecture	BARC/10023/15	PARTH DUBEY				
58	Architecture	BARC/10024/15	NISHANT KAUTILYA				
59	Architecture	BARC/10025/15	RAM RAVI HIRAMAN				
60	Architecture	BARC/10026/15	SHIVANGI SINGH				
61	Architecture	BARC/10027/15	AMAN KUMAR				
62	Architecture	B.ARCH/10028/15	HANIA RIZWAN				
63	Architecture	BARC/10029/15	PRAKASH KUMAR GUPTA				
64	Architecture	BARC/10030/15	PANKAJ KUMAR				
65	Architecture	BARC/10031/15	ANKIT KUMAR				
66	Architecture	BARC/10032/15	HARSH KASHAYAP				
67	Architecture	BARC/10033/15	RAM ROSHANKUMAR DEEPAK				
68	Architecture	BARC/10034/15	PRATYASHA DAS				
69	Architecture	BARC/10035/15	RONIT KUMAR PUROHIT	8834	Dr. Smriti Mishra		
70	Architecture	BARC/10036/15	RAKESH RAUSHAN				
71	Architecture	BARC/10038/15	G. ROHITH SAI REDDY				
72	Architecture	BARC/10039/15	ANAMIKA				

73	Architecture	BARCH/10001/16	ACHIRAVA RAHA				
74	Architecture	BARCH/10003/16	SAIF IQBAL				
75	Architecture	BARCH/10004/16	SAKET SAGAR				
76	Architecture	BARCH/10005/16	SWETA JHA				
77	Architecture	BARCH/10006/16	SHREYA BHAGAT				
78	Architecture	BARCH/10007/16	SHIBLI AFAQ				
79	Architecture	BARCH/10008/16	HARSHA THAKUR				
80	Architecture	BARCH/10009/16	ROHIT TIRKEY				
81	Architecture	BARCH/10010/16	ANUBHUTI ALOK				
82	Architecture	BARCH/10011/16	VIDHI JHA				
83	Architecture	BARCH/10012/16	ARONISHA DAS				
84	Architecture	BARCH/10013/16	SAUMYA DEEPIKA MALUA				
85	Architecture	BARCH/10014/16	DIVYA KOTHARI				
86	Architecture	BARCH/10015/16	JAMYANG KATUK			9382	Dr. Bimal C. Roy
87	Architecture	BARCH/10017/16	KUMAR SATYAM				
88	Architecture	BARCH/10018/16	FARHEEN NEYAZ				
89	Architecture	BARCH/10020/16	ANKIT KUMAR				
90	Architecture	BARCH/10021/16	ANJALI DHANSON				
91	Architecture	BARCH/10022/16	TUSHITA SAH				
92	Architecture	BARCH/10024/16	JEEVESH SINGH				
93	Architecture	BARCH/10025/16	JANHVI GUPTA				
94	Architecture	BARCH/10026/16	SUJATA EKKA				
95	Architecture	BARCH/10027/16	MAHIMA PRIYADARSHINI				
96	Architecture	BARCH/10028/16	SABAL AMBASTHA				
97	Architecture	BARCH/10029/16	NIRAJ SINGH				
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100	Architecture	BARCH/10032/16	PRITESH RANJAN				
101	Architecture	BARCH/10033/16	SUNIDHI BHARDWAJ				
102	Architecture	BARCH/10034/16	JEEWANSHU UTTAM				
103	Architecture	BARCH/10035/16	SUDHANSHU RANJAN			9464	Mr. Rajan C. Sinha
104	Architecture	BARCH/10036/16	SWASTI PRIYA				
105	Architecture	BARCH/10037/16	SOHAM BANERJEE				
106	Architecture	BARCH/10038/16	PRAGYA MAHESHWARI				
107	Architecture	BARCH/10039/16	NIYATI VASHISHTH				
108	Architecture	BARCH/10040/16	SHIVANGI SAWARN				
109	Architecture	BARCH/10001/17	SHRUTI BARNWAL				
110	Architecture	BARCH/10002/17	CHINMOY GHOSH				
111	Architecture	BARCH/10003/17	ISHITA SINGH				
112	Architecture	BARCH/10004/17	SANCHARI CHATTERJEE				
113	Architecture	BARCH/10005/17	UJJWALA BARKHA TOPNO				

114	Architecture	BARCH/10007/17	APARUPA SAHA	8968	Mr. Anuj Kr. Toppo
115	Architecture	BARCH/10008/17	PURNIMA SAREN		
116	Architecture	BARCH/10009/17	RAJOSHREE DUTTA		
117	Architecture	BARCH/10010/17	RUCHI JAIN		
118	Architecture	BARCH/10011/17	SOHANTIKA KODIGANTI		
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133	Architecture	BARCH/10027/17	ANUSHKA DASGUPTA		
134	Architecture	BARCH/10028/17	AKSHITA AGARWAL		
135	Architecture	BARCH/10029/17	VRINDA AGARWAL		
136	Architecture	BARCH/10030/17	PRIYA TOPNO	9367	Mr. Mrinal Pathak
137	Architecture	BARCH/10031/17	Y RACHANA		
138	Architecture	BARCH/10032/17	LAKSHMAN PRANEETH VETHSA		
139	Architecture	BARCH/10033/17	AMAN PANDEY		
140	Architecture	BARCH/10034/17	ATUL BAXLA		
141	Architecture	BARCH/10001/18	DRISHTI DAGA		
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151	Architecture	BARCH/10011/18	AAKANCHA KUMARI		
152	Architecture	BARCH/10012/18	SRI SAHITI VEMAVARAPU		
153	Architecture	BARCH/10013/18	KRITI SHAH		

154	Architecture	BARCH/10014/18	MAYANK KOLUSH	10764	Mr. Apurv Ashish
155	Architecture	BARCH/10015/18	AMAN RAJ		
156	Architecture	BARCH/10016/18	RAZI AHMAD		
157	Architecture	BARCH/10017/18	ANKIIT KUMAR		
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170	Architecture	BARCH/10032/18	MAULI GUPTA		
171	Architecture	BARCH/10033/18	ABHISHEK KUMAR	10768	Ms. Anila Smriti Surin
172	Architecture	MUP/10001/17	ANNA MARIA DAVID		
173	Architecture	MUP/10002/17	GARIMA AGRAHARI		
174	Architecture	MUP/10003/17	RICHA SHIVIKA		
175	Architecture	MUP/10004/17	ANKITA KUMARI		
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177	Architecture	MUP/10006/17	AQUIB MUSTAFA		
178	Architecture	MUP/10001/18	SURUCHI MISHRA		
179	Architecture	MUP/10002/18	RAJAT YADAV		
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184	Architecture	MUP/10007/18	KHUSHBOO PRASAD		
185	Architecture	MUP/10008/18	AKANKSHA SINGH		
186	Architecture	MUP/10009/18	SHUBHRA SHUKLA		
187	Architecture	MUP/10010/18	ADITYA RAGHAW SINGH		
188	Architecture	MUP/10011/18	RAM SUNDRANI		
189	Architecture	MUP/10012/18	DEEPESH MARRKANDEY		



**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
(A Deemed University u/s 3 of UGC Act, 1956)  
**MESRA – 835215 (RANCHI) INDIA**

**Metric No.: 6.3.4**

**Department/ Section: Architecture Department**

Following teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, and Faculty Development Programs during the last five years:

<b>Year</b>	<b>Name of teachers who attended</b>	<b>Title of the professional development program</b>	<b>Date and Duration (from – to)</b>
2015	Dr. Smriti Mishra	Short-term Course on Conservation, Protection & management of India's standing living Heritage of 19th and 20th Century".	14. 12. 2015 to 18.12.2015
2015	Dr. Bimal Chandra Roy	One-week STTP on Analysis of Composite Materials	19.01.2015 to 23.01.2015
2015	Dr. Bimal Chandra Roy	Faculty Development Programme	06.04.2015 to 19.04.2015
2015	Prof. Ranjan C. Sinha	83 <sup>rd</sup> Orientation Programme	15.05.2015 to 11.06.2015
2016	Dr. Smriti Mishra	Short Term Training Programme on Building Maintenance and Preservation	29.02.2016 to 04.03.2016
2016	Dr. Bimal Chandra Roy	Short Term Training Programme on Building Maintenance and Preservation	29.02.2016 to 04.03.2016
2016	Prof. Ranjan C. Sinha	Short Term Training Programme on Building Maintenance and Preservation	29.02.2016 to 04.03.2016
2018	Prof. Anila S. Surin	Vernacular Architecture and Traditional Constructional Practices in Hot and Dry Climate Region, COA	21.05.2018 to 25.05.2018

*Handwritten signature: Ananta*  
*Handwritten date: 6/12/19*  
Head of Department  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215

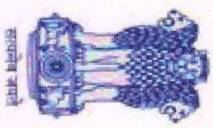
## Table of Content

<b>S. No:</b>	<b>List of Evidence</b>	<b>Page No.</b>
1	Copy of certificate of the short-term Course attended by Dr. Smriti Mishra.	03
2	Copy of certificate of the One-week STTP attended by Dr. Bimal Chandra Roy.	04
3	Copy of certificate of the Faculty Development Programme attended by Dr. Bimal Chandra Roy.	05
4	Copy of certificate of the 83 <sup>rd</sup> Orientation Programme attended by Prof. Ranjan C. Sinha.	06
5	Copy of certificate of the Short-Term Training Programme on Building Maintenance and Preservation attended by Dr. Smriti Mishra.	07
6	Copy of certificate of the Short-Term Training Programme on Building Maintenance and Preservation attended by Dr. Bimal Chandra Roy .	08
7	Copy of certificate of the Short-Term Training Programme on Building Maintenance and Preservation attended by Prof. Ranjan C. Sinha .	09
8	Copy of certificate of the Faculty Development Program on Vernacular Architecture and Traditional Constructional Practices in Hot and Dry Climate Region attended by Prof. Anila S. Surin.	10



National Institute of Technology, Patna  
Ashok Raj Path, Patna-800005

Ministry of Human Resource Development  
Government of India



# GLOBAL INITIATIVE FOR ACADEMIC NETWORKS

## Certificate of Participation

*This is to certify that* ..... **Prof. Smriti Mishra** .....  
..... *Assistant Professor, Department of Architecture, Birla Institute of Technology, Mesra, Ranchi* ..... *participated in the course.*

**Conservation, Protection and Management of India's  
"Standing living Heritage" of 19th and 20th century**

*From*  
**14th to 18th December 2015.**  
**Department of Architecture, NIT Patna**

*Nancy*

AR. NANCY  
COURSE COORDINATOR

*Asok*

DR. SAMRAT MUKHERJEE  
LOCAL COORDINATOR

*Asok De*

DR. ASOK DE  
DIRECTOR

## TEQIP – II Sponsored One Week Short Term Training Programme

Organized by

DEPARTMENT OF CHEMICAL ENGINEERING & TECHNOLOGY  
Birla Institute of Technology, Mesra, Ranchi – 835 215



### *Certificate of Participation*

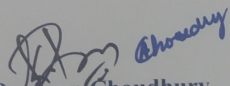
This is to certify that Dr. /Mr. /Ms. /Mrs.

*Bimal Chandra Roy*

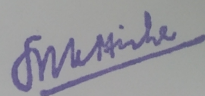
participated in the TEQIP – II Sponsored One Week Short Term Training Programme on

“ANALYSIS OF COMPOSITE MATERIALS”

held from 19th – 23rd January, 2015

  
Dr. Arup Choudhury  
Dr. R. R. Pandiyan  
Organizing Secretary(s)

  
Dr. G. Sarkhel  
Convener

  
Prof. (Dr.) M. K. Mishra  
Vice Chancellor

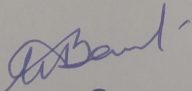


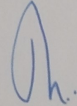


**DEPARTMENT OF MANAGEMENT  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI**

This is to certify that Mr. BIMAL CHANDRA ROY  
of BIT MESRA

participated in the AICTE sponsored Faculty Development Programme on, “Contemporary HR Trends and Practices”, organized by the Department of Management, Birla Institute of Technology, Mesra, from 06<sup>th</sup> April ‘15 to 19<sup>th</sup> April ‘15.

  
Programme Co-ordinator

  
Registrar  
Birla Institute of Technology  
Mesra, Ranchi

# UGC-HUMAN RESOURCE DEVELOPMENT CENTRE

## RANCHI UNIVERSITY, RANCHI



### UGC-SPONSORED 83rd ORIENTATION PROGRAMME

*This is to certify that*

**Mr. Rajan Chandra Sinha**

Asst. Prof., Dept. of Architecture

B.I.T., Mesra, Ranchi

*Participated in this 83rd Orientation Programme*

*From 15.05.2015 to 11.06.2015 and obtained Grade - A*

*[Signature]*  
(COURSE CO-ORDINATOR)

*[Signature]*  
(DIRECTOR)

*[Signature]*  
(VICE-CHANCELLOR)



DEPARTMENT OF ARCHITECTURE,  
**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI**



SHORT TERM TRAINING PROGRAMME  
ON

**BUILDING MAINTENANCE AND PRESERVATION**

SPONSORED BY  
DEPARTMENT OF TOURISM, ART CULTURE, SPORTS AND YOUTH AFFAIRS,  
GOVERNMENT OF JHARKHAND

CERTIFICATE

This is to certify that *Susmita Ghoshal* *Chakrabarti* has  
successfully participated in the Short Term Training Programme on “Building Maintenance  
and Preservation” organised by Department of Architecture, Birla Institute of Technology,  
Mesra during 29th February to 4th March 2016.

*Susmita*

Dr. Satyaki Sarkar  
Convener

*D. Biswas*

Prof. Debajyoti Biswas  
Chairman

*Chandrika*  
Vice Chancellor



DEPARTMENT OF ARCHITECTURE,  
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI



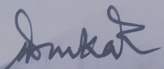
SHORT TERM TRAINING PROGRAMME  
ON

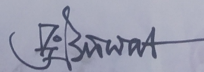
**BUILDING MAINTENANCE AND PRESERVATION**

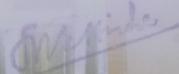
SPONSORED BY  
DEPARTMENT OF TOURISM, ART CULTURE, SPORTS AND YOUTH AFFAIRS,  
GOVERNMENT OF JHARKHAND

CERTIFICATE

This is to certify that Dr. Bimal Chandra Roy has  
successfully participated in the Short Term Training Programme on “Building Maintenance  
and Preservation” organised by Department of Architecture, Birla Institute of Technology,  
Mesra during 29th February to 4th March 2016.

  
Dr. Satyaki Sarkar  
Convener

  
Prof. Debajyoti Biswas  
Chairman

  
Vice Chancellor



DEPARTMENT OF ARCHITECTURE,  
**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI**

SHORT TERM TRAINING PROGRAMME  
ON

**BUILDING MAINTENANCE AND PRESERVATION**

SPONSORED BY  
DEPARTMENT OF TOURISM, ART CULTURE, SPORTS AND YOUTH AFFAIRS,  
GOVERNMENT OF JHARKHAND

CERTIFICATE

This is to certify that Pradyuman Chandra Sinha has  
successfully participated in the Short Term Training Programme on "Building Maintenance  
and Preservation" organised by Department of Architecture, Birla Institute of Technology,  
Mesra during 29th February to 4th March 2016.

Dr. Satyaki Sarkar  
Convener

Prof. Debajyoti Biswas  
Chairman

Vice Chancellor



MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR  
DEPARTMENT OF ARCHITECTURE AND PLANNING

*In collaboration with*  
COUNCIL OF ARCHITECTURE  
TRAINING & RESEARCH CENTRE



*Certificate*

Teacher's Training Programme

on

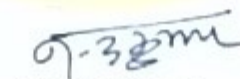
**Vernacular Architecture and Traditional Construction Techniques in  
Hot and Dry Climatic Region**

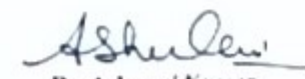
21<sup>ST</sup>- 25<sup>TH</sup> May, 2018

*This is to certify that Ar. Anila S. Surin has successfully attended the Teacher's Training Programme on "Vernacular Architecture and Traditional Construction Techniques in Hot and Dry Climatic Region" organized by the Department of Architecture and Planning,*

*Malaviya National Institute of Technology Jaipur*

  
Dr. Satish Pipralia  
Coordinator

  
Dr. Nand Kumar  
Coordinator

  
Dr. Ashwani Kumar  
Coordinator



**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
(A Deemed University u/s 3 of UGC Act, 1956)  
**MESRA – 835215 (RANCHI) INDIA**

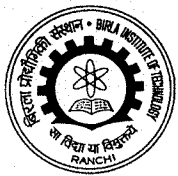
**Metric 3.3.3**

**Department/Section: Architecture Department**

Percentage of teachers receiving national/international fellowship/financial support by various agencies for advanced studies/research during the last five years

Title of the innovation	Name of the Awardee	Name of the Awarding Agency with contact details	Year of Award	Category-institution/teacher/research scholar/student
ITPI-Best Thesis Award	Ms. Anila S. Surin	Institute of Town Planners, India 4-A, Ring Road, I.P.Estate, New Delhi - 110002 Ph.: 23702454, 23702457 Fax: 23702453 Email: itpidel@itpi.org.in	2014	Student
Best Architecture Student of the year 2016' during National Awards for Excellence in Architecture Thesis	Mr. Dipon Bose	Council of Architecture", New Delhi; India Habitat Centre, Core 6A, 1st Floor, Lodhi Road, New Delhi-110003 India Tel: +91-11-49412100 (30 Lines) Fax: +91-11-24647746	2016	student
First Position in All India Architectural Student Competition" for designing "Assisted Living Center" at the "Hospital Planning & Infrastructure Summit, 2017 (HHAC2017)	Ms. Mounika Maddipatla,	Hosmac India Pvt. Ltd. 120,Udyog Bhavan,Sonawala Lane, Goregaon (East), Mumbai – 400 063, Maharashtra. Phone: 91-22-67237000 email: contact@hosmac.com	2017	Student

*Signature*



# DEPARTMENT OF ARCHITECTURE

BIRLA INSTITUTE OF TECHNOLOGY

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MESRA – 835215 (RANCHI) INDIA

First Position in All India Architectural Student Competition" for designing "Assisted Living Center" at the "Hospital Planning & Infrastructure Summit, 2017 (HHAC2017)	Ms. Vallary Gupta	Hosmac India Pvt. Ltd. 120,Udyog Bhavan,Sonawala Lane, Goregaon (East), Mumbai – 400 063, Maharashtra. Phone: 91-22-67237000 email: contact@hosmac.com	2017	Student
First Prize in National Award Competition 2017; The Best Innovative Use Of Steel In Architecture Theme : Tall Buildings	Ms. Vaishali	Institute For Steel Development & Growth (INSDAG) "ISPAT PRAGATI BHAWAN", 793, ANANDAPUR, KOLKATA – 700107 Email: insdag@rediffmail.com, ins.steel@gmail.com  Tel: 033-24434045/4047/4409 Fax: 033-24434045/40489	2017	student

Head of Department  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215



## Table of Contents

<b>Sr. No</b>	<b>Description of evidence</b>	<b>Page number</b>
1	Copy of certificate of ITPI-Best Thesis Award for Ms. Anila S. Surin	04
2	Copy of certificate of Best Architecture Student of the year 2016' during National Awards for Excellence in Architecture Thesis for Mr. Dipon Bose	05
3	Copy of certificate of First Position in All India Architectural Student Competition” for designing "Assisted Living Center" at the "Hospital Planning & Infrastructure Summit, 2017 (HHAC2017) for Ms. Mounika Maddipatla	06
4	Copy of certificate of First Position in All India Architectural Student Competition” for designing "Assisted Living Center" at the "Hospital Planning & Infrastructure Summit, 2017 (HHAC2017) for Ms. Vallary Gupta	07
5	Copy of picture of Ms.Vaishali receiving the First Prize in National Award Competition 2017; The Best Innovative Use Of Steel In Architecture Theme : Tall Buildings	08

# Institute of Urban Planners, India



2014

*Prof. V. N. Prasad National Best Thesis Award  
for Post Graduate Students*

## *THIRD PRIZE*

*Awarded to Ms. Anila Smriti Surin*

*for the Thesis entitled as*

*Development Strategies of Tenancy Law Protected Land in Urban Area:  
Case Study Ranchi Agglomeration*

*from*

*Birla Institute of Technology, Mesra, Ranchi*

  
President

  
Secretary General

  
Chairman, ESC

  
Secretary (Exam.)

**COUNCIL OF ARCHITECTURE  
AWARDS FOR EXCELLENCE IN ARCHITECTURAL THESIS- 2016  
&  
JK AYA BEST ARCHITECTURE STUDENT OF THE YEAR AWARD- 2016**

**DECLARATION FORM- C**

*(To be signed and stamped by head of the institution)*  
(To be submitted in original to NIASA with photocopy to zonal coordinators)

**Declaration**

Mr./Ms. DIPON BOSE has been a bonafide student of the Final year B. Arch class of this institute for academic year 2015-16.

The work submitted by this student for the CoA-NIASA Awards for Excellence in Architectural Thesis 2016 and JK AYA Best Architecture Student of the Year Award 2016 is the same that was submitted for evaluation in compliance of curricular requirements for the award of Bachelor's Degree in Architecture at this institute.

Name of the Institute:

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI

Intake sanctioned by COA for admission to the academic year 2011-2012: 40

  
Signature of the Head of the Institute and stamp of the Institute:

Name DR. D. J. BISWAS

Designation Professor & Head Date 25.07.16 Place RANCHI

HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE

# CERTIFICATE OF EXCELLENCE

This is to certify that

MOUNIKA MADDIPATLA

Has been awarded the First Prize in All India Architectural Student Competition for Designing "Assisted Living Centre" at the "Hospital Planning & Infrastructure Summit 2017", held at Mumbai.



8th Oct. 2017

Seal & Date

A handwritten signature in black ink, appearing to read "Dr. Vivek Desai".

Dr. Vivek Desai  
MD, Hosmac India Pvt. Ltd.

Organized By

**HOSMAC**  
PERFECTING HEALTHCARE

# CERTIFICATE OF EXCELLENCE

This is to certify that

VALLARY GUPTA

Has been awarded the First Prize in All India Architectural Student Competition for Designing "Assisted Living Centre" at the "Hospital Planning & Infrastructure Summit 2017", held at Mumbai.



8th Oct. 2017

Seal & Date

A handwritten signature in black ink, appearing to read "Vivek Desai".

Dr. Vivek Desai  
MD, Hosmac India Pvt. Ltd.

Organized By

**HOSMAC**  
PERFECTING HEALTHCARE



**Institute for Steel Development & Growth**  
**AWARD CERTIFICATE**  
NATIONAL STUDENTS AWARD COMPETITION  
FOR BEST INNOVATIVE USE OF STEEL IN ARCHITECTURE 2016  
*This is to certify that*  
Smt. Vaishaly  
Student of Birla Institute of Technology, Ranchi, Jharkhand  
has participated in the Competition  
Jointly with  
And obtained 1st position by displaying admirable creativity towards  
Innovative use of Steel as a Medium of Architectural Expressions in design of  
Tall Building (s) during the Final Evaluation Round on February 09-10,  
2017 at Kolkata.

**Insdag**  
INSTITUTE FOR  
STEEL DEVELOPMENT &  
GROWTH  
National Award  
Competition  
for  
Students  
for the  
Best Innovative  
Use of Steel in  
Architecture  
2016  
**1<sup>st</sup> Prize**



**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
(A Deemed University u/s 3 of UGC Act, 1956)  
**MESRA – 835215 (RANCHI) INDIA**

**Metric: 3.4.5**

**Department/Section: Architecture Department**

Number of research papers per teachers in the Journals notified on UGC website during the last five years:

<b>Name of journal</b>	<b>Year of publication</b>	<b>ISSN number</b>	<b>Link of the recognition in UGC enlistment of the Journal</b>
International Journal of Applied Engineering Research.	2015	0973-4562	UGC Care List-2(under global indexed journal list) SCOPUS Indexed Journal. <a href="https://www.ripublication.com/Volume/ijae_rv10n7.htm">https://www.ripublication.com/Volume/ijae_rv10n7.htm</a> (EID: 2-s2.0-84929346582, Source: Scopus – Elsevier.)

*Handwritten signature*  
25/1/2020

**Head of Department**  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215



**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
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**MESRA – 835215 (RANCHI) INDIA**

**Metric 3.4.1**

**Department/Section: Architecture Department**

*The institution ensures implementation of its stated Code of Ethics for research*

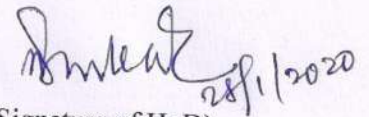
The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following:

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bioethics etc)
3. Plagiarism check
4. Research Advisory Committee

**Options:**

B. 3 of the above

S.No.	Description of evidence	Page No.
1.	Code of ethics for Research document	02-04
2.	List of Faculty members on Doctoral Committees	05

  
28/1/2020

(Signature of HoD)

HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215



**COUNCIL OF ARCHITECTURE  
(Incorporated under the Architects Act, 1972)**

**ARCHITECTS (PROFESSIONAL CONDUCT) REGULATIONS, 1989 \***

New Delhi, the 11th May, 1989

F.No. CA/1/89.- In exercise of the powers conferred by sub-section (1) read with clause (i) of sub-section (2) of Section 45 of the Architects Act, 1972 (Act No. 20 of 1972), the Council of Architecture, with the approval of the Central Government, hereby makes the following regulations to promote the standard of professional conduct/ self-discipline required of an Architect, namely :-

1. Short Title and Commencement :

1. These regulations may be called with Architects (Professional Conduct) Regulations, 1989.
2. They shall come into force on the date of their publication in the Official Gazette.\*

2. **\*\***(1) Every architect, either in practice or employment, subject to the provisions of the Central Civil Services (Conduct) Rules, 1964 or any other similar rules applicable to an Architect, he shall :-

- i. ensure that his professional activities do not conflict with his general responsibility to contribute to the quality of the environment and future welfare of society,
- ii. apply his skill to the creative, responsible and economic development of his country,
- iii. provide professional services of a high standard, to the best of his ability,
- iv. if in private practice, inform his Client of the conditions of engagement and scale of charges and agree that these conditions shall be the basis of the appointment,
- v. not sub-commission to another Architect or Architects the work for which he has been commissioned without prior agreement of his Client,
- vi. not give or take discounts, commissions, gifts or other inducements for the introduction of Clients or of work,
- vii. act with fairness and impartiality when administering a building contract,
- viii. maintain a high standard of integrity,
- ix. promote the advancement of Architecture, standards of Architectural education, research, training and practice,
- x. conduct himself in a manner which is not derogatory to his professional character, nor likely to lessen the confidence of the public in the profession, nor bring Architects into disrepute,
- xi. compete fairly with other Architects,
- xii. observe and uphold the Council's conditions of engagement and scale of charges,
- xiii. not supplant or attempt to supplant another Architect,
- xiv. not prepare designs in competition with other Architects for a Client without payment or for a reduced fee (except in a competition conducted in accordance with the Architectural competition guidelines approved by the Council),
- xv. not attempt to obtain, offer to undertake or accept a commission for which he knows another Architect has been selected or employed until he has evidence that the selection, employment or agreement has been

terminated and he has given the previous Architect written notice that he is so doing :  
provided that in the preliminary stages of works, the Client may consult, in order to select the Architect, as many Architects as he wants, provided he makes payment of charges to each of the Architects so consulted,

- xvi. comply with Council's guidelines for Architectural competitions and inform the Council of his appointment as assessor for an Architectural competition ,
- xvii. when working in other countries, observe the requirements of codes of conduct applicable to the place where he is working ,
- xviii. not have or take as partner in his firm any person who is disqualified for registration by reason of the fact that his name has been removed from the Register under Section 29 or 30 of the Architects Act, 1972 ,
- xix. provide their employees with suitable working environment, compensate them fairly and facilitate their professional development,
- xx. recognize and respect the professional contribution of his employees,
- xxi. provide their associates with suitable working environment, compensate them fairly and facilitate their professional development,
- xxii. recognize and respect the professional contribution of his associates,
- xxiii. recognize and respect the professional contribution of the consultants,
- xxiv. enter into agreement with them defining their scope of work, responsibilities, functions, fees and mode of payment ,
- xxv. shall not advertise his professional services nor shall he allow his name to be included in advertisement or to be used for publicity purposes save the following exceptions :-
  - (a) a notice of change of address may be published on three occasions and correspondents may be informed by post,
  - (b) an Architect may exhibit his name outside his office and on a building, either under construction or completed, for which he is or was an Architect, provided the lettering does not exceed 10 cm. in height ,
  - (c) advertisements including the name and address of an Architect may be published in connection with calling of tenders, staff requirements and similar matters,
  - (d) may allow his name to be associated with illustrations and descriptions of his work in the press or other public media but he shall not give or accept any consideration for such appearances,
  - (e) may allow his name to appear in advertisements inserted in the press by suppliers or manufacturers of materials used in a building he has designed, provided his name is included in an unostentatious manner and he does not accept any consideration for its use,
  - (f) may allow his name to appear in brochure prepared by Clients for the purpose of advertising or promoting projects for which he has been commissioned,
  - (g) may produce or publish brochures, pamphlets describing his experience and capabilities for distribution to those potential Clients whom he can identify by name and position ,
  - \*\* (h) may allow his name to appear in the classified columns of the trade / professional directory and/or telephone directory/ website.

\*\* (2) In a partnership firm of architects, every partner shall ensure that such partnership firm complies with the provisions of the sub-regulation (1).

(3) Violation of any of the provisions of sub-regulation (1) shall constitute a professional mis-conduct.

K. V. Narayana Iyengar  
Registrar

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\* Published in the Gazette of India [Part III - Section IV] PP 562-564 and 566 - 567 on May 27, 1989.

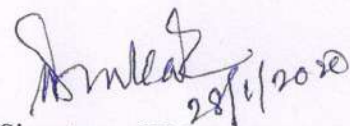
\*\* Published in the Gazette of India [Part III - Section IV] PP 7108 on 3.05.2003 and PP 7594 on 21.06.2003.



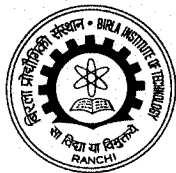
**DEPARTMENT OF ARCHITECTURE**  
**BIRLA INSTITUTE OF TECHNOLOGY**  
(A Deemed University u/s 3 of UGC Act, 1956)  
**MESRA – 835215 (RANCHI) INDIA**

**List of Faculty Members of Department of Architecture as Doctoral Committee Members:**

S. No:	Name of the Faculty Member	Designation	Doctoral Committee Member
1.	Dr. Satyaki Sarkar	Associate Professor & HOD	Chairman
2.	Dr. Manjari Chakraborty	Professor	Guide
3.	Dr. DJ Biswas	Professor	Guide
4.	Dr. Smriti Mishra	Assistant Professor	Member
5.	Dr. Bimal Chandra Roy	Assistant Professor	Member

  
28/1/2020  
(Signature of HoD)

HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215



**DEPARTMENT OF ARCHITECTURE**  
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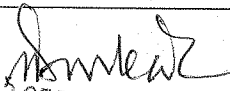
**Metric 1.1.3 and 1.2.1**

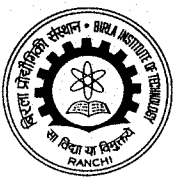
**Department/Section: Architecture Department**

1.1.3 - Average percentage of courses having focus on employability/entrepreneurship/skill development during the last five years

1.2.1 - Percentage of new courses introduced of the total number of courses across all programmes offered during the last five years

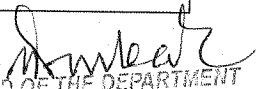
Name of the Course	Course Code	Year of introduction	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
Principles of Architecture	AR 1301	2014	Skill development
Primary Building Materials	AR 1303	2014	Employability/ Entrepreneurship/ Skill development
Architectural Design – I	AR 1302	2014	Employability/ Entrepreneurship/ Skill development
Descriptive Geometry	AR 1304	2014	Employability/ Skill development
Fundamentals of Unix and C Programming	CS 1302	2014	Employability/ Entrepreneurship/ Skill development
Theory of Design	AR 2301	2014	Employability/Skill development
Secondary Building Materials	AR 2303	2014	Employability/ Entrepreneurship/ Skill development
History of Architecture- Western	AR 2405	2014	Skill development
Statics & Strength of Materials	AR 2407	2014	Employability/ Skill development
Environmental Science [Breadth Subject – II]	CH 2203	2014	Employability/ Entrepreneurship/ Skill development
Creative Workshop	AR 2402	2014	Employability/ Skill development
Architectural Design – II	AR 2304	2014	Employability/ Entrepreneurship/ Skill development
Building Construction – I*	AR 2306	2014	Employability/ Entrepreneurship/ Skill development
Building Science-I (Climatology)	AR 3301	2014	Employability/ Skill development

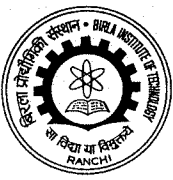
  
HEAD OF THE DEPARTMENT  
DEPARTMENT OF ARCHITECTURE  
BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI, JHARKHAR  
835215



**DEPARTMENT OF ARCHITECTURE**  
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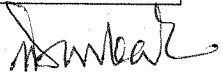
Building Science-I (Climatology)	AR 3301	2014	Employability/ Skill development
Construction Techniques and Codes	AR 3303	2014	Employability/ Skill development
Building Services-I (Water Supply & sanitation)	AR 3305	2014	Employability/ Entrepreneurship/ Skill development
Structural Mechanics	AR 3407	2014	Employability/ Skill development
Architectural Design - III	AR 3402	2014	Employability/ Entrepreneurship/ Skill development
Building Construction – II*	AR 3304	2014	Employability/ Entrepreneurship/ Skill development
Computer Application in Architecture	AR 3308	2014	Employability/ Entrepreneurship/ Skill development
Building Services - II (Acoustics)	AR 4301	2014	Employability/ Entrepreneurship/ Skill development
Contemporary Architecture	AR 4403	2014	Skill development
Theory of Structure	AR 4305	2014	Employability/ Skill development
Surveying (Theory)	AR 4407	2014	Skill development
Foreign Language		2014	Employability/Skill development
Architectural Design - IV	AR 4302	2014	Employability/ Entrepreneurship/ Skill development
Building Construction – III*	AR 4304	2014	Employability/ Entrepreneurship/ Skill development
Surveying	AR 4308	2014	Employability/ Entrepreneurship/ Skill development
Building Services – III (Electrical & Lighting)	AR 5301	2014	Employability/ Entrepreneurship/ Skill development
Site Planning & Landscape Architecture	AR 5303	2014	Employability/ Skill development
Concrete Structure	AR 5405	2014	Employability/ Entrepreneurship/ Skill development
Architectural Design - V	AR 5302	2014	Employability/ Entrepreneurship/ Skill development
Working Drawing-I	AR 5304	2014	Employability/ Entrepreneurship/ Skill development
Landscape Design	AR 5306	2014	Employability/ Entrepreneurship/ Skill development

  
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RANCHI - 835 215



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Structural Design (R.C.C)	AR5308	2014	Employability/ Entrepreneurship/ Skill development
Building Services-IV (Mechanical Services)	AR 6301	2014	Employability/ Entrepreneurship/ Skill development
Vernacular Architecture	AR 6405	2014	Employability/ Skill development
Steel Structures	AR 6309	2014	Employability/Skill development
Architectural Design - VI	AR 6302	2014	Employability/ Entrepreneurship/ Skill development
Working Drawing II	AR 6304	2014	Employability/ Entrepreneurship/ Skill development
Specification, Estimation and Costing	AR 6406	2014	Employability/ Entrepreneurship/ Skill development
Structural Design (Steel)	AR 6308	2014	Employability/ Entrepreneurship/ Skill development
Structural Concepts in Architecture	AR 7301	2014	Employability/ Skill development
Housing and Settlement System	AR 7303	2014	Employability/ Skill development
Building Science-II (Energy Efficient Architecture)	AR 7305	2014	Employability/ Entrepreneurship/ Skill development
Urban Ecology & Environment Planning	MUP 2101	2014	Employability/ Skill development
Architectural Design - VII	Arc 7302	2014	Employability/ Entrepreneurship/ Skill development
Interior Design	AR 7304	2014	Employability/ Entrepreneurship/ Skill development
Principles of Human Settlements & Urban Design	AR 8401	2014	Employability/ Skill development
Conservation and Heritage Management	AR 8303	2014	Employability/ Skill development
Advanced Landscaping	AR 8305	2014	Employability/ Entrepreneurship/ Skill development
Sustainability and Built Environment	AR 8311	2014	Employability/ Skill development


  
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Mail: [hod.arch@bitmesra.ac.in](mailto:hod.arch@bitmesra.ac.in) ; Website : [www.bitmesra.ac.in](http://www.bitmesra.ac.in)



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Disaster Management	AR 8307	2014	Employability/ Skill development
City & Metropolitan Planning	MUP 3109	2014	Employability/ Skill development
Architectural Design - VIII	AR 8302	2014	Employability/ Entrepreneurship/ Skill development
Introduction to Thesis Project & Research Methodology	AR 8304	2014	Employability/ Entrepreneurship/ Skill development
Professional Practice and Tendering Process	AR 9301	2014	Employability/ Entrepreneurship/ Skill development
Thesis Project	AR 9302	2014	Employability/ Entrepreneurship/ Skill development
Architectural Apprenticeship	AR 10302	2014	Employability/ Entrepreneurship/ Skill development
Field Studies	AR 10304	2014	Employability/ Entrepreneurship/ Skill development
Comprehensive Viva & Time Test	AR 10306	2014	Employability/ Entrepreneurship/ Skill development
Principles of Architecture	AR 101	2018	Employability/ Skill development
Primary Building Materials	AR 102	2018	Employability/ Entrepreneurship/ Skill development
History of Indian Architecture	AR 103	2018	Employability/ Skill development
Mathematics for Architects	MA104	2018	Skill development
Architectural Design – I	AR 111	2018	Employability/ Entrepreneurship/ Skill development
Descriptive Geometry	AR 112	2018	Employability/ Entrepreneurship/ Skill development
Construction Technique and Model Making Workshop	AR 113	2018	Employability/ Entrepreneurship/ Skill development
Advanced Building Materials	AR 151	2018	Employability/ Entrepreneurship/ Skill development
History of Architecture- Western	AR 152	2018	Employability/ Skill development

  
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# DEPARTMENT OF ARCHITECTURE

## BIRLA INSTITUTE OF TECHNOLOGY

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Statics & Strength of Materials	AR 153	2018	Employability/ Skill development
Architectural Design II	AR 161	2018	Employability/ Entrepreneurship/ Skill development
Building Construction – I	AR 162	2018	Employability/ Entrepreneurship/ Skill development
Architectural Rendering Techniques	AR 163	2018	Employability/ Entrepreneurship/ Skill development
History of Human Settlement & Planning Principles	MUP 1101	2014	Employability/ Entrepreneurship/ Skill development
HOUSING AND COMMUNITY PLANNING	MUP 1103	2014	Employability/ Entrepreneurship/ Skill development
Planning Theory and Techniques	MUP1105	2014	Employability/ Entrepreneurship/ Skill development
Planning Studio / Workshop I	MUP 1102	2014	Employability/ Entrepreneurship/ Skill development
Urban Design	MUP1104	2014	Employability/ Entrepreneurship/ Skill development
Urban Ecology & Environment Planning	MUP 2101	2014	Employability/ Skill development
Transportation Planning	MUP 2103	2014	Employability/ Skill development
Urban Infrastructure Planning	MUP 2105	2014	Employability/ Skill development
Socio-economic Basis for Planning	MUP 2109	2014	Employability/ Entrepreneurship/ Skill development
Planning Studio / Workshop II	MUP 2102	2014	Employability/ Entrepreneurship/ Skill development
Planning Legislation & Professional Practice	MUP 3101	2014	Employability/ Skill development
Urban Land economics, Development management & Finance	MUP 3103	2014	Employability/ Skill development
Urban Regeneration & Conservation Techniques	MUP 3105	2014	Employability/ Entrepreneurship/ Skill development
Planning project / Thesis	MUP 4102	2014	Employability/ Entrepreneurship/ Skill development
Introduction to Town and Regional Planning	AR 601	2018	Employability/ Skill development
Transportation Planning	AR 602	2018	Employability/ Entrepreneurship/ Skill development

  
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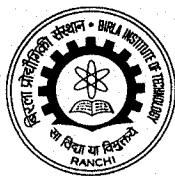


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Planning Studio /Workshop	AR 611	2018	Employability/ Entrepreneurship/ Skill development
Urban Design	AR 612	2018	Employability/ Entrepreneurship/ Skill development
Planning Legislation and Professional Practice	AR 651	2018	Employability/ Skill development
Housing and Community Planning	AR 652	2018	Employability/ Entrepreneurship/ Skill development
Urban Infrastructure Planning	AR 653	2018	Employability/ Entrepreneurship/ Skill development
Disaster Management and Planning	AR 604	2018	Employability/ Skill development
Urban Ecology and Environmental Planning	AR 605	2018	Employability/ Entrepreneurship/ Skill development
New Town Planning	AR 654	2018	Employability/ Entrepreneurship/ Skill development
Urban Regeneration & Conservation Techniques	AR 702	2018	Employability/ Skill development
Sustainable City Planning	AR 703	2018	Employability/Skill development
Planning Studio / Workshop	AR 661	2018	Employability/ Entrepreneurship/ Skill development
Dissertation & Planning Seminar	AR 711	2018	Employability/ Skill development
Research Methodology	AR 701	2018	Employability/ Entrepreneurship/ Skill development
Training viva	AR 712	2018	Employability/ Skill development
Thesis / dissertation	AR 751	2018	Employability/ Entrepreneurship/ Skill development

Head of Department

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**Metric 1.2.1**

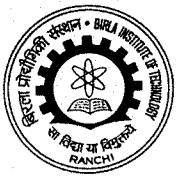
**Department/Section: Architecture Department**

Percentage of new courses introduced of the total number of courses across all Programmes offered during the last five years

Name of the new course introduced in the last 5 years	Program name	Program code	Course code	Year of introduction
Sustainability and Built Environment	Bachelor of Architecture	BA0101	AR 8311	2014
Construction Technique and Model Making Workshop	Bachelor of Architecture	BA0101	AR 113	2018
Architectural Rendering Techniques	Bachelor of Architecture	BA0101	AR 163	2018
Urban Design	Master of Urban Planning	MU0101	AR 603	2018
Disaster Management and Planning	Master of Urban Planning	MU0101	AR 604	2018
New Town Planning	Master of Urban Planning	MU0101	AR 654	2018
Regional and Rural Planning	Master of Urban Planning	MU0101	AR 655	2018

Head of Department

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**Metric 1.2.2**

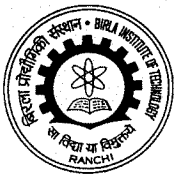
**Department/Section: Architecture Department**

Percentage of programmes in which choice-based credit system (CBCS)/elective course system has been implemented (Current year data)

Name of all programs adopting CBCS course system	Name of all programs adopting elective course system	Programme Code	Year of implementation of CBCS / elective course system
Bachelor of Architecture	Bachelor of Architecture	BA0101	CBCS:2018 Elective: 2018; 2014; 2011
Master of Urban Planning	Master of Urban Planning	MU0101	CBCS:2018 Elective: 2018; 2014; 2011

*Somnath*  
6/12/19  
Head of Department

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**LIST OF ELECTIVE SUBJECTS OFFERED FOR BACHELOR OF ARCHITECTURE  
PROGRAM**

**AS PER 2011 SYLLABUS**

S. No	Course Code	Course Name
	AR 6303	Pre-fabrication & Modular Co-ordination
	AR 6405	Vernacular Architecture
	MUP2101	Urban Ecology & Environment Planning
	AR 8303	Conservation and Heritage Management
	AR 8305	Advanced Landscaping
	AR 8307	Disaster Management
	MUP 3109	City & Metropolitan Planning

**AS PER 2014 SYLLABUS**

S. No	Course Code	Course Name
	AR 6405	Vernacular Architecture
	MUP2101	Urban Ecology & Environment Planning
	AR 6409	Conservation and Heritage Management
	AR 8307	Disaster Management
	AR 8311	Sustainability and Built Environment
	MUP 3109	City & Metropolitan Planning

**AS PER 2018 SYLLABUS**

S. No	Course Code	Course Name
	AR 352	Vernacular Architecture
	AR 353	Architectural Conservation and Heritage Management
	AR 404	Disaster Management and Resilient Structures
	AR 703	Sustainable City Planning
	AR 503	Theory of Design
	AR 605	Urban Ecology and Environmental Planning

  
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**LIST OF ELECTIVE SUBJECTS OFFERED FOR MASTER OF URBAN PLANNING PROGRAM**

**AS PER 2011 SYLLABUS**

S. No	Course Code	Course Name
	MUP 2207	Techniques of Analysis & Population Studies
	MUP 2109	Socio-Economic Basis for Planning
	MUP 2111	Urban and Rural Sociology
	MUP 2113	Introduction to Regional Planning
	MUP 3105	Urban Regeneration & Conservation Techniques
	MUP 3107	Urban Development Models
	MUP 3109	City & Metropolitan Planning
	MUP 3111	Research Methodology

**AS PER 2014 SYLLABUS**

S. No	Course Code	Course Name
	MUP 2207	Techniques and Analysis of Population Studies
	MUP 2109	Socio-Economic Basis for Planning
	MUP 2111	Urban and Rural Sociology
	MUP 2113	Introduction to Regional Planning
	MUP 3105	Urban Regeneration & Conservation Techniques
	MUP 3107	Urban Development Models
	MUP 3109	City & Metropolitan Planning
	MUP 3111	Research Methodology

**AS PER 2018 SYLLABUS**

S. No	Course Code	Course Name
	AR 604	Disaster Management and Planning
	AR 605	Urban Ecology and Environmental Planning
	AR 654	New Town Planning
	AR 655	Regional and Rural Planning
	AR 702	Urban regeneration and Conservation techniques
	AR 703	Sustainable city planning

  
6/12/19  
Head of Department

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BIRLA INSTITUTE OF TECHNOLOGY  
MESRA, RANCHI - 835 215

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# बिरला प्रौद्योगिकी संस्थान

के शासी निकाय के अधिकार स्वरूप  
तथा तकनीकी परिषद की अनुशंसा पर  
मंजरी चक्रवर्ती

को,

डॉक्टर आफ फिलॉसोफी (आर्किटेक्चर)

की उपाधि प्रदान की जाती है एवं तदर्थ सभी अधिकार  
तथा सम्मान अधिकृत किये जाते हैं।

*By the authority of the Board of Governors of the*

**BIRLA INSTITUTE OF TECHNOLOGY**

*and upon recommendation of the Technical Council*

MANJARI CHAKRABORTY

*has been admitted to the Degree of*

DOCTOR OF PHILOSOPHY (Architecture)

*and is entitled to all rights and honours thereto appertaining.*

*Witness the seal of the Institute and the signatures of its Officers  
this sixth day of February, two thousand seven.*



a deemed University U.S. 3 of UGC Act, 1956  
Mesra, Ranchi (INDIA)

*Vice Chancellor*

*Registrar*

*J. P. Birla*

*Chairman*

*Board of Governors*



20080079



# Jadaupur University

*Certified that*

**Sri Satyaki Sarkar**

*was admitted to the Degree of Doctor of Philosophy in Engineering of this University on 16/09/2008 and that the degree was conferred on him / her at the Convocation held in December 2008 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Jadaupur University are hereunto affixed.*

**P. N. Ghose**  
Vice-Chancellor  
The 24th December, 2008



  
Chancellor

20090085



# Jadaupur University

*Certified that*

**Sri Debajyoti Biswas**

*was admitted to the Degree of Doctor of Philosophy in Engineering of this University on 29/07/2009 and that the degree was conferred on him/her at the Convocation held in December 2009 with all the Rights and Privileges thereto appertaining.*

*In Witness whereof the Signatures of the Chancellor and the Vice-Chancellor of Jadaupur University are herewith affixed.*

**P. N. Guha**  
Vice-Chancellor



*Sankar Das*

Chancellor

The 24th December, 2009

*By the authority of the Board of Governors of the*

# **BIRLA INSTITUTE OF TECHNOLOGY**

*and upon recommendation of the Academic Council*

BIMAL CHANDRA ROY

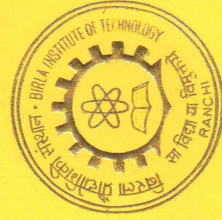
*has been admitted to the Degree of*

**DOCTOR OF PHILOSOPHY (Architecture)**

*and is entitled to all rights and honours thereto appertaining.*

*Witness the seal of the Institute and the signatures of its Officers*

*this second day of November, two thousand fifteen.*



*JMKH*  
Vice Chancellor

*C.K. Birla*

Chairman

Registrar

Board of Governors

Deemed University U.S. 3 of U.G.C. Act, 1956  
Mesra, Ranchi (INDIA)



# INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

upon the recommendation of the Senate hereby confers the degree of

**Doctor of Philosophy**

on

**Smriti Mishra**

in recognition of the research work on

***A Methodology for Assessing Residents' Perception Regarding Impacts of Urban Riverfront Development in India***

Given under the seal of the Institute at Kharagpur on the Twentieth day of July, Two Thousand and Eighteen

Registrar



Director

By the authority of the Board of Governors of the  
**BIRLA INSTITUTE OF TECHNOLOGY**

and upon recommendation of the Academic Council

JANMEJOY GUPTA

has been admitted to the Degree of

DOCTOR OF PHILOSOPHY (Architecture)

and is entitled to all rights and honours thereto appertaining.

Witness the seal of the Institute and the signatures of its Officers  
this seventeenth day of January, two thousand eighteen.



Recognized University U.S. J of U.G.C. Act, 1956  
Mesra, Ranchi (INDIA)

*JMGH*  
Vice Chancellor

*J*  
Registrar

*C. H. Birla*  
Chairman  
Board of Gover