



# **FEEDBACK MECHANISM**

## **Collection of Feedback from Parent, Teacher, Alumni, Students and Employers**

Shiv Nadar University is a comprehensive, multidisciplinary, research-focused, and student-centric University which aims to become a leading international institution of Excellence by educating the path-shapers of tomorrow who can shoulder the challenges of globally responsible and ethical leadership in the 21st Century.

To fulfill the need of next generation learners, the curriculum needs to reflect the current needs and aspirations of all stakeholders including teachers, management, students, parents, recruiters, alumni etc.

Academic council at SNU is the highest body which meets twice in a semester and takes periodic review of the curriculum. The departmental committees and board of studies review the Curriculum before it is placed in the academic council. The feedback process from various stakeholder is mentioned below.

### **1) Feedback from Students**

There are two types of feedback that we collect every semester from the students which pertains to the academic deliverables.

#### **a) Mid Term Feedback**

The purpose of midterm course evaluation is to improve the teaching and management of the course while it is still running. Midterm collection of feedback also allows instructors to respond to their students' comments, an opportunity which is not available with the existing end-semester feedback. In the midterm feedback we take both course as well instructors rating.

#### **b) End Semester Feedback**

This is a summative evaluation and occurs 7-10 days before the end of the semester. They are a means to produce feedback which the instructor and school can use to assess their quality of instruction and the course and take corrective action next time the course is offered.

### **2) Feedback from Faculty and Administration:**

During the Curriculum review the department meets regularly and all the faculty members present their viewpoints which gets discussed in detail. After the faculty members incorporate the feedback from the students, Recruiters and the Alumni interaction, the revised curriculum is placed before the Board of Studies.



### **3) Feedback from Employers:**

SNU has an excellent placement program and we organize annual industry event wherein the recruiters from various organizations are encouraged to meet with the faculty members and the core academic leadership at SNU. They give their feedback by various modes and we do incorporate the feedback collected in the next nearest review cycle. SNU has also offered industry relevant courses in association with industry leaders. For instance we offered a course on Natural gas engineering wherein technical experts from GAIL offered the course at SNU. We also offered a Big Data course by Ernst and Young at SNU. We offer special Campus Placement Preparation Module to prepare our students for industry placements.

### **4) Feedback from Alumni**

SNU is a relatively new university which started in year 2011. The first batch passed out in 2015 and so far only 5 batches have passed out. We organized our first formal Alumni meet in 2019 and apart from host of other activities that was planned for Alumni event, they had an hour long structured meeting with the faculty members of each department where discussion regarding what worked in industry, what gaps needs to be filled etc. were taken up. The students' feedback were collected by faculty members and were discussed during the next faculty meeting.

### **5) Feedback from Parents**

As of now SNU do not have structured annual parent teachers meeting however we are planning to have formal discussion with the parents when they come for orientation and convocation. We do have parents who regularly visit SNU to meet faculty and Deans to enquire about their ward during which the curriculum is generally discussed. Parents have very positive view about the curriculum at SNU. We update parents about the child's progress through parent portal. We are exploring the possibility of using Parent portal for collecting feedback from parents.

Dean's Office and IQAC office organize Faculty Development Programs at the beginning of every semester. During the FDP all the general feedbacks from various stakeholders are taken up during the Q&A session with the Vice Chancellor. SNU has been teaching a variety of courses and all efforts are taken to ensure the courses and curriculum meets highest level of standards in order to help SNU to become a truly global, comprehensive university of highest standard in India and abroad.

## Report 2017-18

Based on the feedback from all stake holders the following steps were taken to update the curriculum

- 1) The credit structure of School of Management and Entrepreneurship, School of Humanities and Social Sciences and School of Natural sciences were increased.
- 2) To improve the learning of students, Tutorials were added in many courses.
- 3) A committee was formed to Look into the CCC
- 4) A special course of Design was added as a compulsory course for all students of Engineering.
- 5) Literature, Identity and Theatre course was one of the iconic courses running at SNU. Based on the feedback from teachers and Alumni, a committee was set up to make the course more useful.
- 6) Project component in many of engineering branches were split into two semesters.
- 7) A certificate course and a master's program was introduced in water sciences and Policy
- 8) International collaborations were strengthened

The Academic Council minutes is attached below.



## SHIV NADAR UNIVERSITY

Minutes of the 26<sup>th</sup> meeting of the Academic Council (AC) held on 7<sup>th</sup> April 2018 in the Conference Room No. D-232.

The following Members and special invitees were present:

1	Dr. Rupamanjari Ghosh	Vice Chancellor- Chairperson
2	Dr. Ajay Dandekar	Director - School of Humanities and Social Sciences (SoHSS)
3	Dr. Shubhro Sen	Director-School of Extended Education and Professional Development (SoEPPD) and School of Management and Entrepreneurship (SoME)
4	Dr. C.V. Tomy	Director, School of Natural Sciences (SoNS)
5	Dr. J.P. Gupta	Director, School of Engineering, and Dean of Graduate Studies, & Distinguished Professor, Chemical Engineering (SoE)
6	Dr. Girish Agrawal	Associate Director (Strategy and Planning), School of Engineering (SoE); Professor & Head, Department of Civil Engineering (SoE).
7	Dr. Dinkar Prasad	Associate Director (Academics), School of Engineering (SoE); Professor & Head, Department of Electrical Engineering, School of Engineering (SoE)
8	Dr. Amber Habib	Dean of Undergraduate Studies, Professor and Head, Department of Mathematics, School of Natural Sciences (SoNS)
9	Dr. Tulika Chandra	Dean of Students' Welfare, Associate Professor, Department of English, School of Humanities & Social Sciences (SoHSS)
10	Dr. Sankar Dhar	Professor & Head, Department of Physics, School of Natural Sciences (SoNS)
11	Dr. Deepak Sehgal	Professor & Head, Department of Life Sciences, School of Natural Sciences (SoNS)
12	Prof. Sumantra Sengupta	Professor & Head, Department of Art and Performing Art, School of Humanities and Social Sciences, (SHSS)
13	Dr. Jaya Menon	Professor & Head, Department of History, School of Humanities and Social Sciences (SoHSS)
14	Dr. Sambudha Sen	Professor & Head, Department of English, School of Humanities and Social Sciences (SoHSS)
15	Dr. Santanu Mitra	Associate Professor & Head, Department of Mechanical Engineering, School of Engineering (SoE)
16	Mr. Sudhir Naudiyal	Registrar - Non- Member Secretary



Special Invitees		
17	Dr. Jyoti K. Sharma	Prof. & Head, Center for Environmental Science and Engineering , School of Natural Sciences (SoNS)
18	Dr. N. Sukumar	Director, Centre for Informatics, Professor & UG Advisor, Department of Chemistry, School of Natural Sciences (SoNS)
Special Invitees - Graduate Advisors		
19	Dr. Vishwanath S R	Professor, School of Management and Entrepreneurship (SoME)
20	Mr. Atul Bhalla	Associate Professor, Department of Art, and Performing Arts, School of Humanities and Social Sciences(SoHSS)
21	Dr. Pradeep Jeganathan	Professor, Department of Sociology, School of Humanities and Social Sciences (SoHSS)
22	Dr. Sneha Lata	Assistant Professor, Department of Mathematics, School of Natural Sciences (SoNS)
23	Dr. Susanta Sinha Roy	Associate Professor, Department of Physics, School of Natural Sciences (SoNS)
Special Invitees - Undergraduate Advisors		
24	Dr. Gautama Polanki	Assistant Professor, Department of English, School of Humanities and Social Sciences (SoHSS)
25	Dr. Ramesh Gupta	Assistant Professor, Department of Mechanical Engineering, School of Engineering (SoE)
26	Dr. Devika Bordia	Assistant Professor, Department of Sociology, School of Humanities and Social Sciences (SoHSS)
27	Dr. Madhur Deo Upadhyay	Assistant Professor, Department of Electrical Engineering, School of Engineering (SoE)
28	Prof. Pradeep Mehra	Professor, School of Management and Entrepreneurship (SoME)
29	Dr. Samarendra Pratap Singh	Assistant Professor, Department of Physics, School of Natural Sciences (SoNS)
30	Dr. V.M. Rajesh	Assistant Professor, Department of Chemical Engineering, School of School of Engineering (SoE)
Special Invitees - Academic /Administrative Heads		
31	Dr. Karthik Krishnan	Assistant Dean, Research and Graduate Studies
32	Mr. Nishant Mishra	Assistant Dean ( Student's Welfare), Assistant Professor, Department of Mechanical Engineering, School of Engineering (SoE)
33	Mr. Rajeev Kumar Singh	Assistant Dean (UG Studies), Assistant Professor, Department of Computer Science and Engineering, School of Engineering (SoE)
34	Dr. Sudepto Bhattacharya	Controller of Examinations, & Associate Professor, Department of Mathematics, School of Natural Sciences (SoNS)
35	Mr. Bhaskar Mishra	Head, Administration
36	Mr. Anil Kumar Nair	Head, Admissions



Item No.1 Welcome address by Dr. Rupamanjari Ghosh, Vice-Chancellor & Chairperson, Academic Council

- Dr. Rupamanjari Ghosh, Chairperson, Academic Council welcomed all the members and invitees to the 26<sup>th</sup> Academic Council meeting. At the outset, Chairperson apprised the Council that SNU was shortlisted by the MHRD for presentation before an Empowered Expert committee constituted for selection of 'Institution of Eminence' (IOE) on 05<sup>th</sup> April 2018. The Vice-Chancellor spearheaded the SNU presentation. The Chairperson shared glimpses of the presentation. The Chairperson also informed that the list of Institutions to be conferred with IOE is likely to be declared shortly.

Before taking up the agenda items, the Chairperson presented a brief account of activities and the important personalities who visited the University during the period from the last meeting of the AC till date.

- Prof. Barbara Romanowicz, a renowned Seismologist from the Institute de Physique du Globe de Paris (IPGP) and from Department of Earth and Planetary Science, University of California Berkeley visited Shiv Nadar University on 19<sup>th</sup> February 2018 for a talk on "Seismic Imaging of the Earth's Deep Interior". This talk was hosted with support from and under the umbrella of Indo-French Center for the Promotion of Advanced Research (CEFIPRA) as part of their annual lecture series.
- *Padma Bhushan* Ambassador Shyam Saran, former Foreign Secretary, visited SNU on 15<sup>th</sup> March 2018 and delivered a relevant talk on "The Emerging World Order: Preferences and Possibilities. Amb. Saran was awarded the *Padma Bhushan*, for his contributions to the civil service. He is also the author of the book *How India Sees the World*.
- NIRF *Ranking 2017-18* was announced on 03<sup>rd</sup> April 2018. SNU has ranked 48 in the 'University' category (last year 60 rank) and 72 in the 'Overall' category (last year 96 rank). SNU is the youngest institution in the 'top 50' universities and figured in the top 100 overall list consecutively in 2017 and 2018.

The Chairperson then directed the Registrar to take up the agenda items and the meeting was called to order.

Item No.2 Confirmation of the minutes of the 25<sup>th</sup> meeting of the Academic Council held on 3<sup>rd</sup> February 2018

The Registrar informed that the minutes of the 25<sup>th</sup> Academic Council meeting held on 3<sup>rd</sup> February 2018 were circulated to the members on 27<sup>th</sup> February 2018, and since no comments were received so far, he requested the Chairperson to approve the minutes. The minutes were then approved by the AC. The minutes as approved by the AC are enclosed at Annexure-1.

RG



Item No.3 To report matters arising out of the minutes of the 25<sup>th</sup> AC meeting held on 3<sup>rd</sup> February 2018 and action taken thereof on matters which needed action:

25.4 To report the grade analysis of the University results for Monsoon Semester - 2017

The Registrar reported that in the 25<sup>th</sup> AC meeting it was suggested under Item No. 4, to send a list of students whose SGPA= $\leq$ 5, to the Directors of the Schools, after the publication of the semester results. The Chairperson suggested to the Dean UG that this is to be implemented at the earliest and some mechanism should be devised for the purpose.

25.6 To discuss and approve alignment of the credit requirements in the UG programs conducted under SoNS, SoHSS and SoME

The Registrar reported that vide his email dated 9<sup>th</sup> March 2018, the Dean, UGS was informed regarding the resolution of the 25<sup>th</sup> AC meeting, under item No.6, on the constitution of a working committee for implementation of the revised credits. Dean UGS informed the AC that the requirements have been modified and will be published in the UG prospectus.

25.7 To discuss and approve offering Major in 'International Relations and Governance Studies' in the Department of International Relations and Governance Studies (IRGS), in the School of Humanities and Social Sciences (SoHSS)

The 'viability assessment proforma' submitted by the IRGS on starting new Major from Monsoon 2018 semester was taken on record. The same is attached as Annexure-2.

25.8 To discuss constitution of School-wise Board of Studies (BoS)

The Registrar informed that the composition of the BoS has been received from the School of Engineering (SoE) so far. The Chairperson advised all the Directors to send the composition of BoS to the Registrar for records, and also expand the BoS for SoE as appropriate.

Item No.4 To report a tentative list of graduands (UG, PG, and Ph.D.) for the 4<sup>th</sup> Convocation scheduled to be held on 19<sup>th</sup> May 2018

The Registrar presented before the Academic Council a tentative list of graduands (UG, PG and Ph.D.) for the 4<sup>th</sup> Convocation scheduled to be held on 19<sup>th</sup> May 2018. The final list of the graduands will be reported to the Council in the next meeting after the Convocation. The tentative list is attached as Annexure -3.

RG



**Item No.5** To report Summer Break, UG Registration and Orientation programme schedule for Monsoon 2018

Dean UGS informed the Council that the UG Registration date has been fixed for 12<sup>th</sup> July 2018. Dean UGS apprised that UG registration and orientation programme for Monsoon 2018 semester will be between 12<sup>th</sup> -14<sup>th</sup> July 2018. A mix of activities is planned between 16<sup>th</sup>-21<sup>st</sup> July 2018. The regular classes for them will start from 23<sup>rd</sup> July 2018. A detailed registration and orientation programme schedule is attached at Annexure-4.

**Item No.6** To report important collaborative MOUs/agreement signed by SNU

The Registrar reported a list of important collaborative MOUs/agreements signed during the last one year with National & International bodies/Institutions. The Chairperson informed that henceforth all MOU's/ agreements executed by the University for academic cooperation shall be reported to the AC and a copy of the same should be forwarded to the Registrar for records by all concerned. A list of MOUs/agreement is attached at Annexure- 5.

**Item No.7** To consider and approve introduction of new courses in MFA programme, in the Department of Art and Performing Arts, SoHSS

The proposal received from the Department of Art and Performing Arts, SoHSS, for introducing following courses in MFA programme from the next academic year was discussed:

1. ART 613 - Painting and Drawing (Core)
2. ART 646 - Film and the Photographic Image (Core)
3. ART 662 - Performance-Resistance (Core)
4. ART 699/ ART 799 - Reading Art (Texts and Comprehension) (Core)

The AC approved the proposed courses after a detailed discussion in the meeting. The course details are attached as Annexure-6.

**Item No.8** To report Mid-term and End-term feedback on UG courses

The Registrar requested to Dean UGS to apprise the Council about the process of collecting feedback from students. Dean UGS briefed the Council that students' feedback is being collected in the mid-term and at the end of the semester, however, very few students submit the online feedback hence, the objective of the same is not fully achieved and the responses received from the registered students remain very less. Mr. Rajeev Kumar, Asst. Dean, UGS suggested making it compulsory before releasing the results of end-semester. Prof. C.V Tomy opined that such restrictions would not serve our purpose. He suggested that manual mode of collecting feedback from students in classes at the end of class will fetch the desired result in place of doing it online. The Chairperson requested the members to give feedback on this to Dean UGS so that further improvement can be done in this regard.

**Item No.9** To consider and approve the proposal received from the Department of Chemical Engineering, SoE, regarding changes in the existing UG Chemical Engineering Curriculum

Please refer to the Item No. 10 below for the Academic Council's observation.



Item No.10 To consider and approve the proposal received from the Department of Mechanical Engineering, SoE, regarding curriculum changes proposed for 2018 batch

The proposals received from Chemical Engineering and Mechanical Engineering (SoE) were briefly discussed in the meeting. However, the Chairperson was of the view that keeping in view the AICTE's recently notified revised 'Model Curriculum' for Engineering streams, it was felt that any piecemeal manner revision in the curriculum structure may not be in fitness of things, hence the Director, SoE was requested to have an internal BoS level discussion with all engineering department heads for aligning the engineering curriculum for all streams together in consonance with the 'Model Curriculum' framed by the AICTE. Any change in curriculum needed wider consultations & due diligence.

Item No.11 To report the Ph.D. Scholars details

The Registrar reported that since last Academic Council, the following Research Scholars have completed the Ph.D. requirements:

S.No.	Name of Scholar	Department	Title of Thesis	Research Advisor(s)	Date of Defense
1	Richard s Joe S	Department of Electrical Engineering, SoE	Large Signal Field Analysis Of Linear Beam Traveling Wave Tube Amplifier For Anisotropically Conducting Tape Helix Slow Wave Structure Supported By Dielectric Rods	Dr. G. Naveen Babu	04.02.2018
2	Poonam Dangi	Department of Life Sciences, SoNS	Role of lipid signaling in microneme exocytosis facilitating Plasmodium invasion into host RBC	Dr. Shailja Singh	20.02.2018
3	Vijeta Sharma	Department of Life Sciences, SoNS	Identification and Evaluation of Bioactive Small Molecules as Antimalarials via Phenotypic Based And Target-Based Drug Discovery	Dr. Shailja Singh and Dr. Subhabrata Sen (Co-Supervisor)	27.2.2018

The Registrar further informed that as of now, there are 15 Research Scholars who will formally receive their degree in the 4<sup>th</sup> Convocation of the University. The above was taken on record.

The meeting ended with the vote of thanks to the Chair.

  
 Dr. Rupamanjari Ghosh  
 Chairperson



## Report 2018-19

Based on the feedback received from various stake holders, we undertook the following steps

- 1) A Bachelor degree program in international relations and Governance studies was introduced in 2018
- 2) A data analytics course was offered at SNU by E&Y to prepare students for jobs of future
- 3) An advanced course in data Structures and Algorithms was done for sixth semester students by Coding Blocks
- 4) Many students went on an exchange program with University of Berkeley and credits were transferred to the transcript of the student at SNU.
- 5) A course on Natural Gas Engineering was introduced for Chemical, Electrical and Civil engineering. The course was taught by Senior Executives from GAIL.

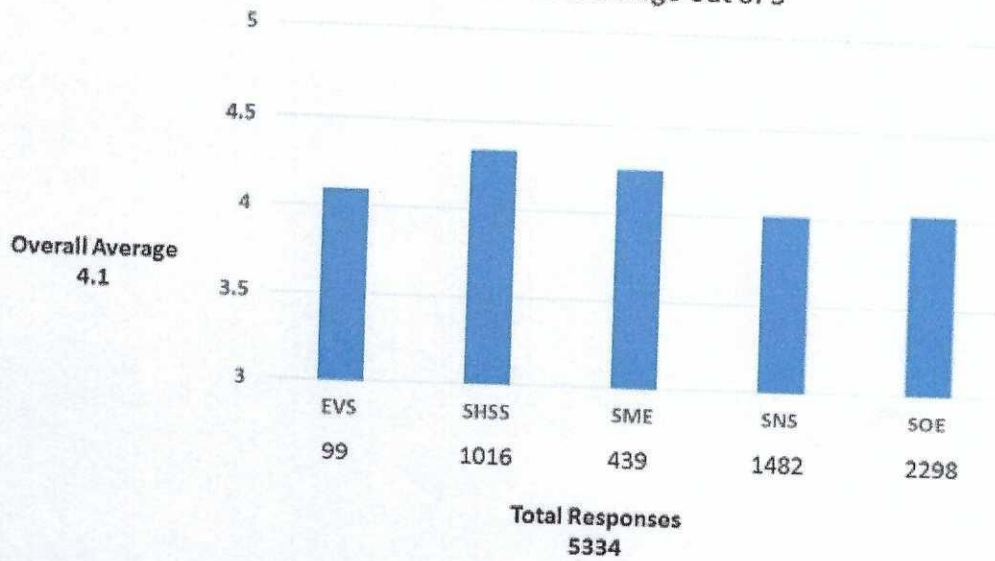
Analysis

Course Evaluation Survey

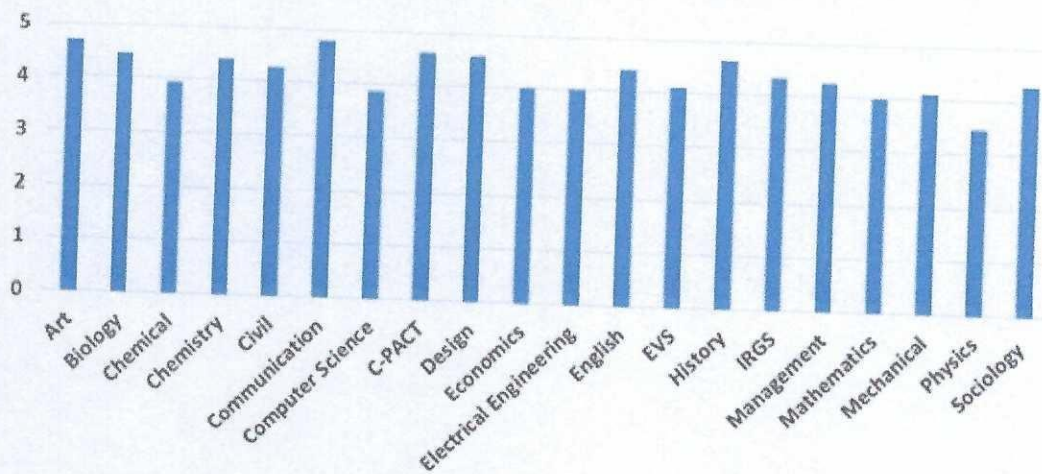
Undergraduate

Spring 2019

**Course content was relevant and useful (e.g. readings, classwork, assignments)**  
School wise average out of 5

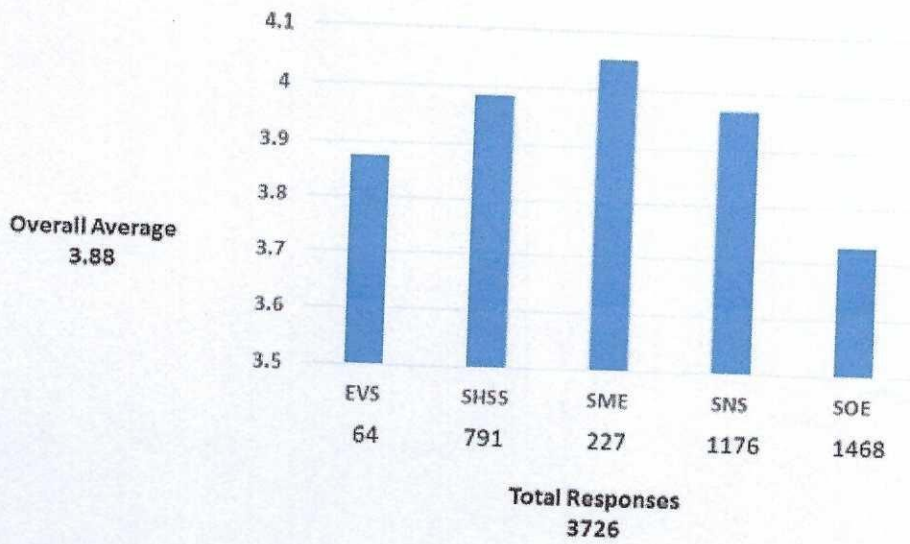


**Course content was relevant and useful (e.g. readings, classwork, assignments)**  
Department wise average out of 5

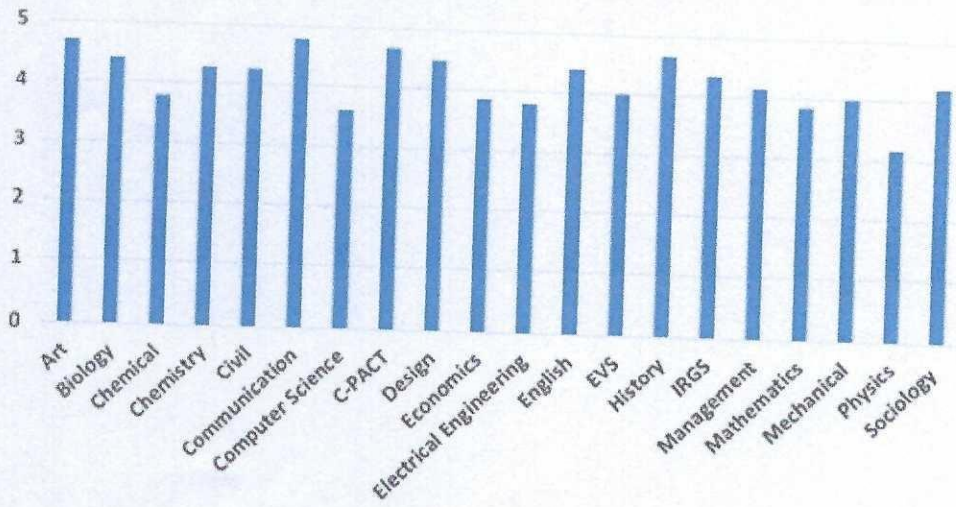




**Overall Experience – Tutorials**  
School wise average out of 5



**Overall Rating for the Course**  
Department wise average out of 5



# PLACEMENT PREPARATION PROGRAMME

A PROPOSAL FROM CODING BLOCKS FOR SHIV NADAR UNIVERSITY

## CODING BLOCKS

Coding Blocks was started in 2014 by Manmohan Gupta, with a mission to create skilled software engineers for our country and the world. Our aim is to bridge the gap between the quality of skills demanded in the IT industry and the quality of skills imparted by the educational institutions. At Coding Blocks, all instructors are themselves great coders and highly employable in the Industry. They decided to join Coding Blocks instead of joining the Industry because they are passionate about teaching and strongly believe in the company's vision.

Since inception, we have helped more than 10,000 students achieve their goals and made them the darling of the industry. However, over the last 2 years, we have forayed into the field of corporate training and are taking care of employee skill-enhancement program for Nagarro and few other start-ups. We conduct workshops in the professional environments so as to help IT professionals, sharpen their existing skills and excel in newer technologies.

## PROGRAM FEATURES

## TRAINING STRUCTURE

Our training involves hands-on, instructor driven program, conducted at the premises of the organization. Our program features

- 4 - 5 hour on-premise sessions
- Sessions scheduled as per organization's convenience
  - We recommend 2 or 3 sessions per week
- Sessions will be hands-on and practical. Attendees need to have their own laptops/PCs
- Instructor will be demonstrating projects and coding questions live

## SUPPORT

We know that knowledge isn't delivered only during the sessions, and we try our best to fill the gaps before and after the sessions, so the attendees have content available always at their fingertips.

- Pre-requisite revision material (PDF/Online Documentation) before course begins.
- Online Course Videos (same content as covered in sessions) access for 8 months



- Online Evaluation (Quizzes)

## PROGRAM MODULES

### ADVANCED DS & ALGO – (BRIDGE COURSE)

#### PRE-REQUISITES

We would be expecting the following from the attendees

- Hands on experience with programming in C++
- Understanding of Object-Oriented Programming concepts
- Prior experience of working with simple data structures like Arrays, Linked List, Stacks, Queues

#### CONTENT

- Space Time Complexity (Revision)
- Recursion & Back Tracking
- Stacks & Queues (Revision + Question Practice)
- Linked List (Revision + Question Practice)
- Binary Tree & Binary Search Tree
- Heaps & Priority Queues
- Bitmasking & Hashing
- Graphs (Advanced Question Practice)
  - BFS, DFS
  - Shortest Path Traversal
  - Topological Sorting
- Dynamic Programming (Advanced Question Practice)
  - 1-D and 2-D Arrays
- Greedy Algorithms and Techniques (Advanced Question Practice)
- Divide and Conquer (Advanced Question Practice)
- C++ STL Complete Overview
- Interview Questions Refresher

#### STRUCTURE

Course Duration: **14 sessions + 2 Revision sessions (Just before placement)**

Session Format: 2 sessions per week on Sat & Sun, 4 – 5 hours session on each day



## OFFERINGS

### OFFERINGS FORMAT

#### ON-PREMISE BOOTCAMP

- Offline Lectures
- 1 Mentor, 1 or 2 Teaching Assistants
- Weekly in-class assignment and evaluation report of the same
- Batch size: 50 students

#### ON-PREMISE BOOTCAMP + ONLINE SUPPORT

- Offline Lectures
- 1 Mentor, 1 or 2 Teaching Assistants
- Access to Online learning portal – video lectures, MCQ questions and e-notes
- Students self-evaluation portal, with SWOT Analysis and leaderboard
- Online Doubt Resolution and support forum
- Batch size: 50 students

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