

# **SELF ASSESSMENT REPORT (SAR)**

**For**

**Accreditation of**

**Bachelor of Technology (B. Tech) in  
Mechanical Engineering**

**By**



## **National Board of Accreditation**

NBCC Place, 4th Floor East Tower, Bhisham Pitamah

Marg, Pragati Vihar New Delhi 110003

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Fax: +91(11) 24360682

**MECHANICAL ENGINEERING DEPARTMENT  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR  
Hazratbal, Srinagar – 190006, J&K (India)**

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## PART A: INSTITUTIONAL INFORMATION

- 1. NAME AND ADDRESS OF THE INSTITUTION:** National Institute of Technology Srinagar (NIT Srinagar)

<b>Address</b>	<b>City: Srinagar</b>
State:- Jammu & Kashmir	Pin Code:- 190006
Website:- <a href="http://www.nitsri.ac.in">www.nitsri.ac.in</a>	E-mail:- admin_esc@nitsri.ac.in
STD Code:- 0194	Phone No:- 2422032
Fax STD Code:- 0194	Fax:- 242047

*Table A.1*

- 2. NAME AND ADDRESS OF THE AFFILIATING UNIVERSITY:** None
- 3. YEAR OF ESTABLISHMENT OF THE INSTITUTION:** 1960
- 4. TYPE OF THE INSTITUTION:** Institute of National Importance
- 5. OWNERSHIP STATUS:** Central Government  
(Provide Details: Appendix 1 of part A)
- 6. OTHER ACADEMIC INSTITUTIONS OF THE TRUST/SOCIETY/COMPANY ETC., IF ANY:** None

Name of the Institution(s)	Year of Establishment	Programs of Study	Location

*Table A.6*

- 7. DETAILS OF ALL THE PROGRAMS BEING OFFERED BY THE INSTITUTION UNDER CONSIDERATION:**

S. No.	Programme Name	Name of Department	Year of Start	Intake	Increase in Intake	Year of Increase	AICTE Approval	Accreditation Status
1	B.Tech, Chemical Engineering	Chemical Engineering	1963	27	77	2009	Senate	Accredited by NBA F. NO NBA/ACCR/106/2002 May 19 2009
2	M.Tech, Chemical Engineering		2015	18				
3	Ph.D., Chemical Engineering		2008	05	06	2018		
4	B.Tech Civil Engineering	Civil Engineering	1960	50	123	2009		Accredited by NBA

## Part-A

5	M.Tech, Transportation,		2014	18			F. NO NBA/ ACCR/10 6/2002 May 19 2009
6	M.Tech, Structure,		2004	25			
7	M.Tech, Geotechnical		2014	17			
8	M.Tech, Water resource Engineering		1986	15			
9	Ph.D., Civil Engineering		2006	02	17	2018	
10	B.Tech, Computer science Engineering	Computer science Engineering	2007	62			
11	Ph.D., Computer science Engineering		2010	01	10	2018	
12	B.Tech, Electrical Engineering	Electrical Engineering	1960	50	77	2009	Accredited by NBA F. NO NBA/ ACCR/10 6/2002 May 19 2009
13	M.Tech Electrical power and energy system		2013	26			
14	Ph.D., Electrical Engineering		2004	01	11	2018	
15	B.Tech, Electronics and Communication Engineering	Electronics and Communicat- ion Engineering	1984	50	77	2009	Accredited by NBA F. NO NBA/ ACCR/10 6/2002 May 19 2009
16	M.Tech, Communication and information technology		2004	25			
17	M.Tech, Microelectronics		2015	13			
18	Ph.D., Electronics and Communication Engineering		2005	01	09	2018	
19	B.Tech, Mechanical Engineering	Mechanical Engineering	1960	50	77	2009	Accredited by NBA F. NO NBA/ ACCR/10 6/2002 May 19
20	M.Tech, Mechanical system design		2004	25			
21	M.Tech,		2013	26			

## Part-A

	Industrial tribology and maintenance							2009
22	Ph.D., Mechanical Engineering		2008	10	8	2018		
23	B.Tech, Metallurgical and Materials Engineering	Metallurgical and Materials Engineering	1960	15	77	2009		Accredited by NBA F. NO NBA/ACCR/106/2002 May 19 2009
24	Ph.D., Metallurgical and Materials Engineering		2008	05	02	2018		
25	B.Tech, Information Technology	Information Technology	2007	62				
26	Ph.D., Information Technology		2018	05				
27	MSC, Physics	Physics	2015	25				
28	Ph.D., Physics		2004	02	10	2018		
29	Ph.D., Chemistry	Chemistry	2005	01	10	2018		
30	Ph.D., Humanities	Humanities	2004	02				
31	Ph.D., Math's	Math's	2006	02				

Table A.7

### 8. PROGRAMS TO BE CONSIDERED FOR ACCREDITATION VIDE THIS APPLICATION

S. No.	Program Name
1	B. Tech. Chemical Engineering
2	B. Tech. Civil Engineering
3	B. Tech. Electrical Engineering
4	B. Tech. Electronics and Communication Engineering,
5	B. Tech. Mechanical Engineering

*Table A.8***9. TOTAL NUMBER OF EMPLOYEES:****A. Regular Employees (Faculty and Staff):**

Items		2020-21		2019-20		2018-19	
		Min	Max	Min	Max	Min	Max
Faculty in Engineering	M	105	106	79	79	78	80
	F	17	17	16	16	16	16
Faculty in Maths, Science & Humanities teaching in engineering Programs	M	25	26	21	21	20	21
	F	7	7	6	6	6	6
Non-teaching staff	M	174	194	194	206	206	223
	F	17	19	19	20	20	22

*Table A.9a***B. Contractual Staff Employees (Faculty and Staff): (Not covered in Table A):**

Items		2020-21		2019-20		2018-19	
		Min	Max	Min	Min	Max	Min
Faculty in Engineering	M	19	19	20	20	37	37
	F	24	24	21	21	26	26
Faculty in Maths, Science & Humanities teaching in engineering Programs	M	3	3	2	2	5	5
	F	5	5	5	5	3	3
Non-teaching staff	M	338	338	190	190	169	169
	F	35	35	15	15	13	13

*Table A.9.b***10. Total number of Engineering Students**

Item	2020-21	2019-20	2018-19
Total no. of boys	2707	2370	2245
Total no. of girls	578	436	386
Total no. of students	3285	2806	2631

*Table A.10***11. VISION OF THE INSTITUTION:**

To establish a unique identity of a pioneer technical Institute by developing a high quality technical manpower and technological resources that aim at economic and social development of the nation as a whole and the region, in particular, keeping in view the global challenges.

## 12. MISSION OF THE INSTITUTION:

- M1. To create a strong and transformative technical educational environment in which fresh ideas, moral principles, research and excellence nurture with international standards.
- M2. To prepare technically educated and broadly talented engineers, future innovators and entrepreneurs, graduates with understanding of the needs and problems of the industry, the society, the state and the nation.
- M3. To inculcate the highest degree of confidence, professionalism, academic excellence and engineering ethics in budding engineers.

## 13. CONTACT INFORMATION OF THE HEAD OF THE INSTITUTION AND NBA COORDINATOR, IF DESIGNATED:

### Head of the Institution

Name:- Dr.RakeshSehgal

Designation:- Director

Status of Appointment:- By MoE (Formely MHRD)

### Contact details of Head of the Institution

STD Code:- 0194

Telephone No:- 0782677

Mobile:- 09419433770, 9418058442

E-mail:- director@nitsri.net

Fax STD Code:- 0194

Fax No:- 242047

### NBA Coordinator

Name:- Dr. AijazHussain Mir

Designation:- Professor

STD Code:- 0194

Telephone No:- 0782705

Mobile:- +91-7006836408

E-mail:- ahmir@nitsri.net

### NBA Co-coordinator

Name:- Dr. Harveer Singh Pali

Designation:- Assistant Professor

Mobile:- +91-8076729852

E-mail:- hspali@nitsri.net

Appendix 1 of part A

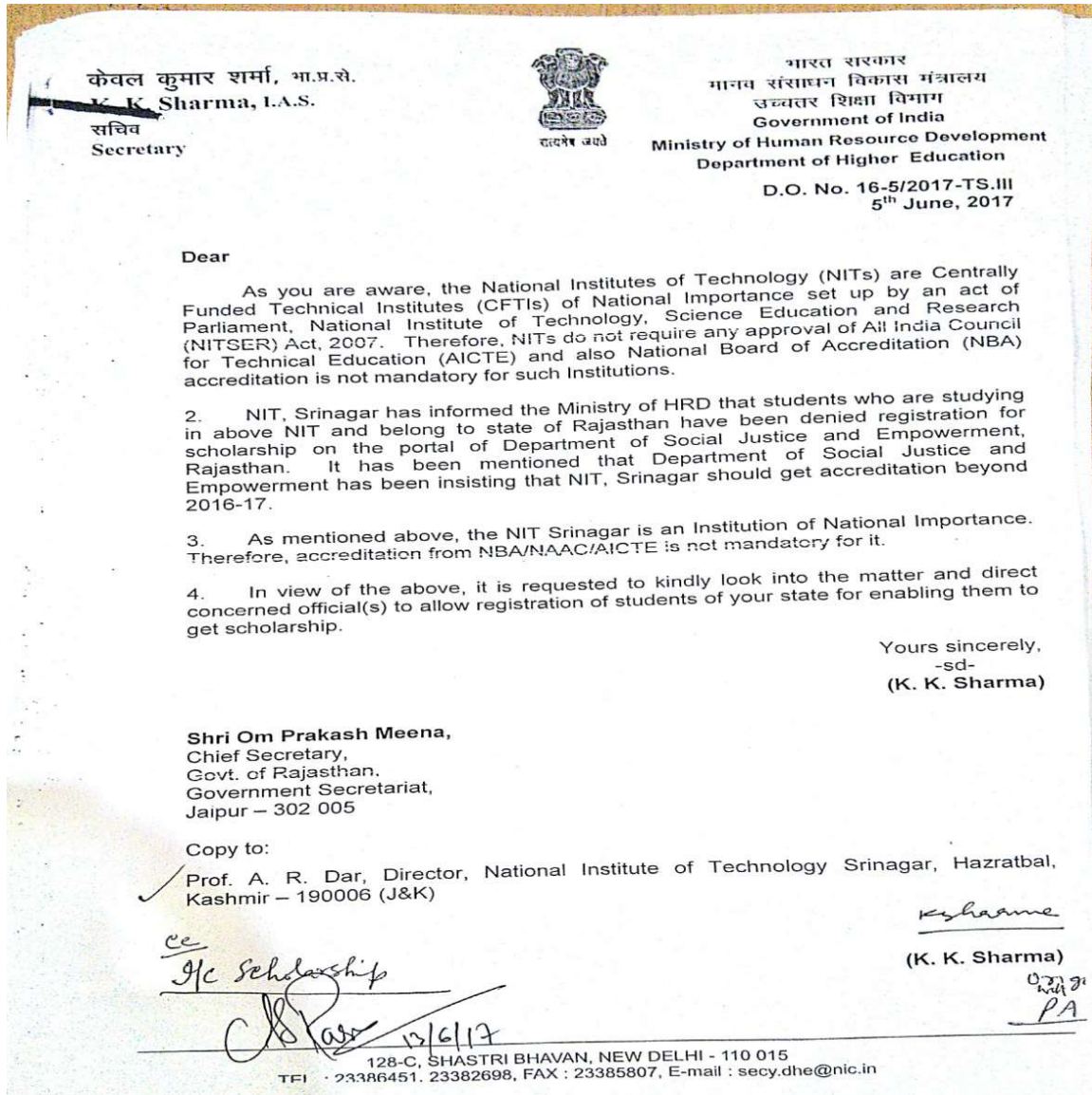


Figure A.1a



F.No.13-12/2003-TS.III  
Government of India  
Ministry of Human Resource Development  
Department of Secondary & Higher Education  
\*\*\*\*\*

New Delhi, the August 11, 2003

To  
The Director,  
National Institute of Technology,  
(Formerly known as Regional Engineering College)  
Srinagar - 190 006 (J & K).

Subject: Conversion of Regional Engineering College, Srinagar into  
National Institute of Technology, Srinagar with deemed  
University status- regarding.

Sir,


I am directed to forward herewith a copy of Notification No.F.9-17/2003-U.3 dated 07.08.2003 relating to conversion of Regional Engineering College, Srinagar into National Institute of Technology, Srinagar with Deemed University status for your record and further necessary action.

Yours faithfully,

  
(B.K.Ray)  
Desk Officer  
Tel: 23070177  
FAX: 23074094

Encl: As above.

Copy to: The Director of all National Institutes of Technology.

  
(B.K.Ray)  
Desk Officer

*R/1 For a/c M.*  
*AC*  
*25/8/2003*  
*R/780*  
*23/9/03*  
*DO/22857*  
*25/8*  
*B&D*  
*10/25/03*

Figure A.2b

**PART B: Criteria Summary**Name of the program: **B.Tech in Mechanical Engineering**

Criteria No.	Criteria	Marks/Weightage	
		Max.	Claimed
	<b>Program Level Criteria</b>		
<b>1</b>	Vision, Mission and Program Educational Objectives	50	50
<b>2</b>	Program Curriculum and Teaching – Learning Processes	100	94
<b>3</b>	Course Outcomes and Program Outcomes	175	175
<b>4</b>	Students' Performance	100	71.46
<b>5</b>	Faculty Information and Contributions	200	195.30
<b>6</b>	Facilities and Technical Support	80	75
<b>7</b>	Continuous Improvement	75	69
	<b>Institute Level Criteria</b>		
<b>8</b>	First Year Academics	50	43.46
<b>9</b>	Student Support Systems	50	50
<b>10</b>	Governance, Institutional Support and Financial Resources	120	120
	<b>Total</b>	<b>1000</b>	<b>943.22</b>