



St.MARTIN'S ENGINEERING COLLEGE

**An Autonomous Institute
NBA & NAACA+ Accredited
Dhulapally, Secunderabad-500100
www.smec.ac.in**



**Report on
Performance of the Institution for the Academic Year 2020-21
by External Peer Team of IQAC**

Submitted to



**University Grants Commission (UGC)
Bahadur Shah Zafar Marg,
New Delhi – 110002.**

St.MARTIN'S ENGINEERING COLLEGE

An Autonomous Institute
NBA & NAACA Accredited
Dhulapally, Secunderabad - 500100
www.smec.ac.in

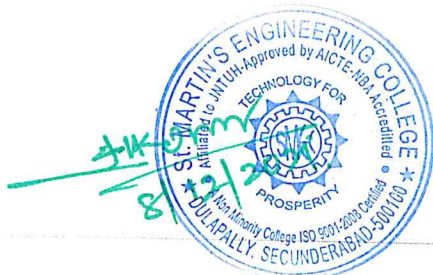
IQAC-EXTERNAL PEER TEAM REPORT ON PERFORMANCE OF THE INSTITUTION - ACADEMIC YEAR 2020-21

Members of External Peer Team:

- Dr. B ANJANEYA PRASAD - Professor & BOS Chair Person, Mechanical Engineering JNTUH College of Engineering, Hyderabad & External Peer Team Member, SMEC.
- Dr. P. SRIDHAR - Professor and HOD in EEE, Institute of Aeronautical Engineering, Secunderabad & External Peer Team Member, SMEC.

* * *

1. Name of the College : St. Martin's Engineering College,
2. Name of the Principal : Dr. P. Santosh Kumar Patra
3. Telephone/ Fax / Email : 7997267788
4. Year of Establishment : 2002
5. Whether private or government or University maintained : Private / Self Financing
6. Autonomous Status : UGC granted Autonomous Status in the year 2019
7. Name of the Affiliating University : Jawaharlal Nehru Technological University, Hyderabad (JNTUH)



Santosh Kumar Patra

JK

EXTERNAL PEER TEAM REVIEW – EVALUATION REPORT

1. CIRRICULAR ASPECTS:

S. No.	Criterion	Rating		
		Very good	Good	Satisfactory
1	Quality of vision and mission statements	√		
2	Implementation of choice based credit system (CBCS)	√		
3	Adequacy of courses having focus on employability/ entrepreneurship/ skill development	√		
4	Evidence of procedures for framing POs, PSOs and their adequacy	√		
5	Evidence of attainment of POs, PSOs against set targets	√		
6	Evidence for framing of COs and their attainment against set targets	√		
7	Evidence for structured feedback system		√	
8	Evidence for NBA accreditation of UG/PG programs	√		
9	Quality of CIE and SEE question papers	√		
10	Preparation and adherence to Academic calendar by the institution	√		
11	Implementation of examination reforms		√	

2. STUDENT ASPECTS

S. No.	Criterion	Rating		
		Very good	Good	Satisfactory
1	Student – Full time teacher ratio	√		
2	Students progression without backlog in any semester		√	
3	Students completing the program in the stipulated time		√	
4	Number of students placed and their median salary	√		
5	Number of students clearing NET/UPSC/CAT/GATE/GRE/IETS Exams		√	
	Adequacy of guest/technical	√		



3/KUMR
8/12/2021

Smrdaya

CSB

	lectures arranged for students			
7	Adequacy of industrial visits arranged for students		√	
8	Relevance of one credit courses	√		
9	Evidence for students completing NPTEL courses	√		
10	Student mentoring system	√		
11	Scholarship/Financial aid to students	√		
12	Activities and support from the Alumni Association		√	
13	Performance in sports activities		√	
14	Placement services provided to students	√		
15	Learning through Entrepreneurship cell	√		
16	Learning beyond class room		√	
17	Student council & representation of students on academic & administrative bodies / committees of the institution	√		
18	Adequacy of workshops conducted on entrepreneurship/IPR/Innovative practices	√		
19	Student exchange programs/activities	√		

3. FACULTY/RESEARCH ASPECTS:

S. No.	Criterion	Rating		
		Very good	Good	Satisfactory
1	Faculty profile and the adequacy of faculty members as per the norms of AICTE	√		
2	Faculty members recognised as research guides			√
3	Faculty members with PhD from universities other than Telangana and abroad		√	
4	Quality of Faculty Publications	√		
5	Quality of research projects		√	
6	Evidence for research grants received from various agencies	√		
	Evidence for consultancy activities	√		
	Evidence for patents published / awarded	√		
	Adequacy of faculty training	√		



Handwritten signature and date:
8/12/2021

Handwritten signature:
Sudhakar

Handwritten signature:
Rajeev

	programs (FDP/STTP)			
10	Adequacy of number of conferences and workshops attended by the faculty members	√		
11	Adequacy of number of workshops/FDPs/STTPs/ Conferences conducted by the department	√		
12	Provision of send money to teachers for research	√		
13	Revenue generated from corporate training by the institution		√	
14	Training programs for new faculty			√
15	Awards for faculty members		√	

4. INFRASTRUCTURAL ASPECTS

S. No.	Criterion	Rating		
		Very good	Good	Satisfactory
1	Evidence for use of ICT in teaching learning process	√		
2	Adequacy of faculties for teaching – learning viz., classrooms, laboratories	√		
3	Adequacy of modern equipment in the laboratories	√		
4	Adequacy of facilities for sports and cultural activities	√		
5	Improvements in library services		√	
6	Adequacy of books and journals available in library	√		
7	Computerization of administration and the process of admission and examination results, issue of certificates	√		
8	Computer and internet access and training to teachers, non-teaching staff and students	√		
9	Number of start-ups incubated on campus		√	
10	TEQIP initiatives		√	
11	Usage of Plagiarism software		√	



5 GOVERNANCE, LEADERSHIP and MANAGEMENT

Handwritten signature and date: 8/12/2021

Handwritten signature

Handwritten signature

S. No.	Criterion	Rating		
		Very good	Good	Satisfactory
1	Functioning of academic bodies as per UGC guidelines (Governing Council, Standing Committee and Board of studies etc.,)	√		
2	Evidence of minutes of the Boards of Studies/Academic Council meetings etc.,	√		
3	Functioning of IQAC	√		
4	Implementation of ISO		√	
5	Institution has performance appraisal system for teaching and non-teaching staff	√		
6	Internal and External financial audit	√		

6. INSTITUTIONAL VALUES AND BEST PRACTICES

S. No.	Criterion	Rating		
		Very good	Good	Satisfactory
1	Adequacy of MoUs signed with institutions /industries	√		
2	Adequacy of Gender equity promotion programs organised by the institution		√	
3	Annual power requirement of the institution met by the renewable energy sources	√		
4	Waste management		√	
5	Rain water harvesting structures and utilisation in the campus	√		
6	Green Practices		√	
7	Differently abled Friendliness Resources in the institution	√		
8	Industry – Institute interaction	√		
9	Institutional best practices	√		

KEYPOINTS NOTED BY EXTERNAL PEER TEAM MEMBERS:

- All departments are well knit and excel in academics and pedagogy.
- The college has adopted Outcome Based Education.
- The college has direct links with stakeholders and takes their views in designing the curriculum.



Handwritten signature and date:
8/12/2021

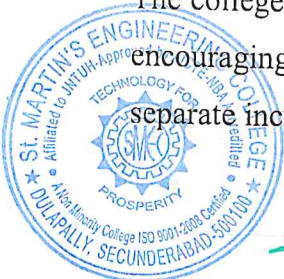
Handwritten signature:

Handwritten signature:

- The college has effectively implemented Teaching Learning Process with 20 different parameters of teaching learning. Every faculty should meet all these 20 parameters before handling the respective subject.
- Guest lectures, conferences, workshops, seminars and industrial visits are frequently conducted in every semester by all the departments.
- Every faculty member has developed ICT- based learning resources and adopts Moodle based TL practices.
- The college has published 49 number of patents and granted 3 number of patents in last 3 years.
- The college has following clubs to conduct various activities in each department.

S. No.	Name of Department	Name of club
1	Electrical and Electronics Engineering	Power Electronics Club
2		Agriculture and Resource Club
3		System Modelling Club
4		Electric Vehicle Engineering Club
5		Robotics Club
6	Civil Engineering	Concrete Cance Club
7		Club for a sustainable development
8		Geotech club
9		ENVI Protection club
10		Civil Engineering club for startups
11		Transportation club of SMEC
12	Masters of Business Administration	EDC Club
13	Electronics and Communication Engineering	Digital Club
14		Communication Club
15		Embedded Club
16		VLSI club
17		Signal Processing club
18	Mechanical Engineering	Society of Automotive Engineers
19		Indian Welding Society
20		Robotics
21	Computer Science and Engineering	Cyber Security club
22		Web Designing Club
23		Innovative Club
24	Information Technology	IMAGICA club
25		HACK club
26		AnApp club

- The college has sponsored with MSME incubation unit and got funding of 1 crore for encouraging the entrepreneur skills of students. Additionally, each department has separate incubation centre for producing startups and commercialising the startups.



Handwritten signature and date: 8/12/2021

Handwritten signature

Handwritten signature

S. No.	Name of Department	Name of Incubation Centre
1	Electrical and Electronics Engineering	Tesla Incubation Unit
2	Information Technology	IOT Incubation Unit
3	Mechanical Engineering	APJ Abdul Kalam Incubation Center
4	Computer Science and Engineering	IoT Incubation Unit
5	Civil Engineering	Mohrs Incubation Unit
6	Electronics and Communication Engineering	Frontline Electronic Engineers incubation Unit
7	Masters of Business Administration	F.W. Taylor Incubation Unit

- The college has received a consultancy project worth of Rs. 444 Crore from GHMC Hyderabad, Govt. of Telangana and a consultancy project of worth Rs. 150 crores from HMWSSB, Hyderabad. The college has received 15 lakhs funding from AICTE to organise different activities.
- The college has signed more than 88 MoUs with various multinational industries which includes GHMC, MSME, HMWSSB etc.
- The placement record of the students is quite good. The highest package offered to the college student is 50 lakhs by OYO and 27 Lakhs by Amazon.

Recommendations:

1. Vision, Mission for the new courses should be framed.
2. Course feedback, evaluation of project works etc shall be followed inline with AICTE internship guidelines.
3. Development of E - Content modules for the academic courses.
4. Increase in number of value added and socially relevant courses.
5. Institutional best practices are to be refined.

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes.

The institution reviews its teaching learning process, structures and methodologies of operations and learning outcomes through IQAC set up as per norms.

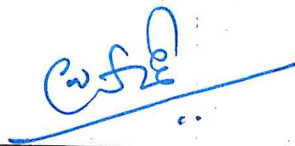

The committee appreciates and thanks the members of IQAC and the faculty for providing the required record and documents for validation.



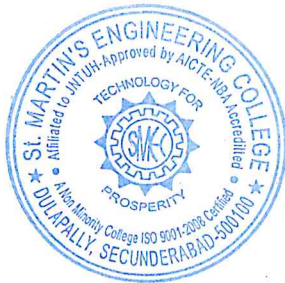
Handwritten signature and date: 31/08/2021

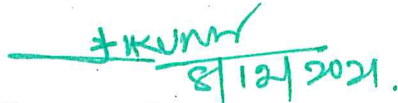
Handwritten signature: Suresh Babu

Handwritten signature and date: 8 | Page

Signature with date		
Name and Designation of the peer team members	Dr. B ANJANEYA PRASAD Professor & BOS Chair Person, Mechanical Engineering, JNTUH College of Engineering Hyderabad.	Dr. P. SRIDHAR Professor and HOD in EEE, Institute of Aeronautical Engineering, Secunderabad

Seal of the Institution




Signature of Head of the
Institution with date and seal

Dr. P. Santosh Kumar Patra
PRINCIPAL
St. MARTIN'S ENGINEERING COLLEGE
UGC - AUTONOMOUS
Survey No. 98 & 100, Dhulapally (V)
Secunderabad-500100, Telangana.